

<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 13</b> <b>Nov 12 - Nov 17, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Tues:		Work on Challenge Problems		
Mon: Due: Wed	RS: pg 177	Prob: pg 178 (13 - 28) evens	Prob: pg 178 (21 - 28) a Pg 178 179 (49 - 57)	EP8 (Lesson 4-3)
Wed: Due Thurs:	RS: pg 177	Prob: pg 178 (9-12) (29 -36) all		EP8 (Lesson 4-3)
Thurs: Due Fri:	RS: pg 180 - 181	Prob: pg 182 (19 - 42) evens	Prob: pg 182 (25 - 42) evens Pg 182 - 183 (43 - 52)	EP8 (Lesson 4-4)

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
TOTAL POINTS									/25		
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

### Week 13 Challenge (Due on Friday)

- Lyndsey, Robert, Yvonne, Eric, and Alicia baked a batch of 36 cookies;  $\frac{2}{3}$  of these were chocolate chip, and the rest were plain. They ate some of the cookies. Only  $1\frac{1}{2}$  dozen cookies were left, half of which were plain. Alicia is allergic to chocolate. Lyndsey ate twice as many chocolate chip cookies as plain cookies. Robert and Yvonne each ate as many cookies as Lyndsey and Alicia combined. Robert ate more chocolate chip cookies than Yvonne. If only the bakers ate the cookies and each of them ate at least one cookie, how many cookies of each kind did each person eat?



<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 12</b> <b>Nov 5 - Nov 11, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Friday:		Work on Challenge Problems		
Mon: Due: Wed	RS: pg 168 – 169	Prob: pg 170 (15 - 38) evens	Prob: pg 170 (26 - 38) evens Pg 171 (39 – 50)	EP8 (Lesson 4-1)
Wed: Due Thurs:	RS: pg 172 – 173	Prob: pg 174 (13 - 36) evens	Prob: pg 174 (25 - 36) evens Pg 175 (44 – 48)	EP8 (Lesson 4-2)
Thurs: Due Fri:	Off No Homework			

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
TOTAL POINTS								/25			
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

## Week 12 Challenge (Due on Friday)

- If a man can mow a lawn that is 100 feet square in 2 hours, how long will it take to mow a lawn that is 50 feet square, assuming that he mows at the same rate of speed?
  
- The first Thanksgiving was held in 1621 to celebrate the Plymouth Colony's fall harvest in what was to become the state of Massachusetts. If cabbage had been available, coleslaw might have been served at that first Thanksgiving. Here are ingredients for a coleslaw recipe that serves 8 people. How do you have to adjust the recipe to serve your 40 guests for Thanksgiving? What are the quantities in the new recipe? Recipe for 8:
  - 3 cups shredded cabbage
  - 1 cup grated carrot
  - 1/3 cup mayonnaise
  - 1 Tablespoon vinegar
  - 2 teaspoons sugar
  - 1/2 teaspoon salt
  - 1/2 teaspoon celery seed



<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 11</b> <b>Oct 29 - Nov 4, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Wed:	RS: pg 140 – 141 RS: pg 144 – 145	Prob: pg 142 (9 – 22) evens Prob: pg 146 (19 - 30) evens	Prob: pg 142 (17 – 22) evens Pg 143 (27 – 32) Prob: pg 146 (19 - 30) evens Pg 147 (35 – 37)	EP7 (Lesson 3-6) EP7 (Lesson 3-7)
Mon: Due: Wed	RS: pg 148 – 149	Prob: pg 150 (14 - 38) evens	Prob: pg 150 (27 - 38) evens Pg 151 (41 – 46)	EP7 (Lesson 3-8)
Wed: Due Thurs:	Review Study Guide	Complete Benchmark Quiz		
Thurs: Due Fri:	Review Study Guide			

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
<b>TOTAL POINTS</b>								<b>/25</b>			
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

## Week 11 Challenge (Due on Friday)

- Doctors with last names Bork, Cork, Fork, Gork, and Hork have examination rooms in one long row, with office doors that are labeled with a 1, 2, 3, 4, or 5. Their first names are Mack, Tack, Sack, Zack, and Jack. Their rooms are colored red, yellow, blue, pink, and green. Based on the following clues, determine the color of room 5 and the first and last name of the doctor who occupies room 5. Hint: Make a table.
 

<p>(a) The yellow room is occupied by Tack, who is not Cork or Gork.</p> <p>(b) Room 2 is red.</p> <p>(c) Of Hork and Gork, one is Jack and the other has a green room.</p> <p>(d) Doctors Bork, Hork, and Fork are not in room 2.</p> <p>(e) Sack and Hork are not in the pink room, but one of them is in the red room and the other is in room 5.</p> <p>(f) The first name of room 5's occupant is not Mack or Tack.</p> <p>(g) Gork is in room 4.</p> <p>(h) Fork, Gork, and Hork have room numbers that are 3 and higher.</p>	<p>(i) Mack's room is pink.</p> <p>(j) Hork is in a blue room.</p> <p>(k) Fork and the doctor in the yellow room are in rooms 1 and 3.</p> <p>(l) Fork's first name is Mack.</p>
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<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 10</b> <b>Oct 22 - Oct 28, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

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	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Tues:	No Homework			
Mon: Due: Wed	RS: pg 116 – 117	Prob: pg 118 (15 - 34)evens	Prob: pg 118 (23 - 34)evens Pg 119 (43 – 51)	EP6 (Lesson 3-1)
Wed: Due Thurs:	RS: pg 120 – 121 RS: pg 124 – 125	Prob: pg 122 (19 – 36) evens Prob: pg 126 (12, 14, 26)		EP7 (Lesson 3-2 and 3-3)
Thurs: Due Fri:	RS: pg 136 – 137	Prob: pg 138 (11 – 23) all	Prob: pg 138 (13 – 23) all Pg 139 (30 – 38)	EP7 (Lesson 3-5)

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
TOTAL POINTS									/25		
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

## Week 10 Challenge (Due on Friday)

- A mathematician was using his magnifying glass to examine an angle measuring  $14 \frac{1}{2}$  degrees. It was magnified  $3 \frac{1}{2}$  times. Under the glass, how large would that angle measure?
  
- Carly is saving money to buy a CD storage unit that costs \$145. If she places a nickel in her piggy bank on day 1, a dime in her bank on day 2, two dimes on day 3, four dimes on day 4, and continues this pattern for 13 days, how much money will Carly have saved at the end of the 13th day? Will she have enough money for the CD holder?

3. A total of 84 quarters are lined up side by side on a table. You replace every second quarter with a dime. After you have completed this task, you replace every third coin with a nickel. Once this is completed, you replace every fourth coin with a penny. What is the total value of the final 84 coins on the table?

4. Place one set of parentheses on the left side of the equation below to make the equation true.

$$32 + 4 - 12 \div 2 \times 8 - 5 + 12 \div 3 + 7 = 13$$

5. The numbers 1 to 500 inclusive are put into a hat. What is the probability that a number chosen at random from the hat is a multiple of both 6 and 13?

<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 9</b> <b>Oct 15 - Oct 21, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Wed:	RS: pg 98 – 99	Prob: pg 100 (15-32) evens	Prob: pg 100 (19-32) evens Pg 101 (35 – 38)	EP5 (Lesson 2-8)
Tues: Due: Wed		Complete Practice Sheet		
Wed: Due Thurs:		Complete Benchmark Quiz		
Thurs: Due Fri:	Review Study Guide	Review Benchmark Quiz		

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
TOTAL POINTS											
									/25		
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

## Week 9 Challenge (Due on Friday)

1. “We need more boys in the club,” said Maryanne. “Why?” asked Patty. “Well, we have 32 members now, and only  $\frac{1}{4}$  are boys,” Maryanne explained. “That’s not too good,” Patty admitted. “You’re right,” said Maryanne. “We have to get some more boys to join. At least  $\frac{1}{3}$  of the members must be boys.” “That would be a more balanced club,” Patty agreed. How many more boys would they need if no more girls joined their club?
  
2. Will and Emma are playing a factor game. Will told Emma that he was thinking of a Mystery Number that had 2, 7, and 9 as factors (numbers that go into a number). He said that there were nine other factors of his number. What are the other factors of his number? What is his Mystery Number?



<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 8</b> <b>Oct 8 - Oct 14, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Wed:	RS: pg 87 – 89	Prob: pg 90 (18, 19, 21, 25, 26, 32)	Prob: pg 90 (18, 19, 21, 25, 26, 32) pg 90 (38 – 40)	EP5 (Lesson 2-6) addition problems
Mon: Due: Wed	RS: pg 87 – 89	Prob: pg 90 (20, 22, 23, 24, 27, 28, 34, 37)	Prob: pg 90 (20, 22, 23, 24, 27, 28, 34, 37) Pg 90 (41 – 49)	EP5 (Lesson 2-6) subtraction problems
Wed: Due Thurs:		Complete Practice Sheet		
Thurs: Due Fri:	RS: pg 94 – 95	Prob: pg 97 (33 - 49)evens	Prob: pg 97 (41 - 49)evens Pg 97 (50 – 53)	EP5 (Lesson 2-7)

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
TOTAL POINTS								/25			
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

## Week 8 Challenge (Due on Friday)

- The United States acquired Alaska from Russia on October 18, 1867, for about 2¢ an acre. Currently, Alaska has an area of 570,374 square miles. Use this current area as an estimate for the 1867 area. About how much did Alaska cost? Rhode Island, the smallest state, is 1045 square miles. At 2¢ an acre, how much would Rhode Island cost? How much would your state cost?  
**Note: 1 square mile = 640 acres.**

- Richard has difficulty saving money. As soon as he was a few dollars ahead, he would spend it. Recently, he had a tidy sum in the bank and then made three withdrawals. The first withdrawal cut his savings in half. The second withdrawal removed 1/4 of what was left. The third withdrawal cut the remainder of his savings in half again and left him with just \$15 in the bank. How much did Richard have in his savings before he made the three withdrawals?



<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 7</b> <b>Oct 1 - Oct 7, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Tues:	RS: pg 78 – 79	Prob: pg 80 (20-39) evens	Prob: pg 80 (28-39) evens Pg 81 (42 – 46)	EP4 (Lesson 2-4)
Mon or Tues: Due: Wed	RS: pg 82 – 84	Prob: pg 85 (24-39) evens	Prob: pg 85 (24-39) evens Pg 86 (48 – 53)	EP4 (Lesson 2-5)
Wed: Due Thurs:		Practice Sheet		
Thurs: Due Fri:	RS: pg 70 – 71	Prob: pg 72 (10-30) evens	Prob: pg 72 (10-30) evens Pg 73 (37 – 41)	EP4 (Lesson 2-2)

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
TOTAL POINTS									/25		
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

## Week 7 Challenge (Due on Friday)

- Approximately 7.5 gal. of water is needed to fill 1 cubic ft. of volume. Approximately how many times will a person have to fill a quart-size container to fill an aquarium that measures 2 ft. x 1 ft. x 6 ft.?
  
- When the hour hand on a clock is between 12:00 and 1:00, during which 1-minute time interval are the minute hand and the hour hand pointed in exactly opposite directions?

3. Ninety-six ballots were cast in the seventh-grade presidential election. Brett received twice as many votes as Stacy. How many votes did each student receive? Explain how you know that your answer is correct.
  
4. On a globe, longitude lines roughly approximate time zones. If longitude lines represent approximately 1-hour differences in time, how many longitude lines should appear on a globe and how many degrees apart should they be? If latitude lines appear 10 degrees apart, how many points of intersection between latitude and longitude lines will appear on a globe?
  
5. Joan has the same number of sisters as she has brothers, but her brother Matt has twice as many sisters as he has brothers. If their family has fewer than 10 children, how many of them are boys and how many are girls?

<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 6</b> <b>Sept 24 - Sep 30, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Wed:		Complete Benchmark Quiz		
Block (Mon or Tues): Due: Wed	Review Study Guide			
Wed: Due Thurs:		Work on Challenge Problems		
Thurs: Due Fri:	RS: pg 66 – 67	Prob: pg 68 (27 -52) evens	Prob: pg 68 (37 -52) evens Pg 69 (63 – 68)	EP4 (Lesson 2-1)

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
TOTAL POINTS									/25		
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

## Week 6 Challenge (Due on Friday)

1. Based on the numbers provided in the  $3 \times 3$  grid, determine the missing value for A.

8	5	7
2	6	1
A	9	6

2. When you roll a pair of dice and find the sum of the dots (called *pips*), what sum or sums are least likely to occur? Explain why.



<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 5</b> <b>Sept 17 - Sept 23, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Tues:	RS: pg 32 – 34	Practice Sheet		
Tues: Due Wed:	RS: pg 37 – 38	Prob: pg 39 (27 -50) evens	Prob: pg 39 (34 -50) evens Pg 40 (50 – 56)	EP3 (Lesson 1-8)
Wed: Due Thurs:	RS: pg 43 – 45	Prob: pg 46 (16 -36) evens	Prob: pg 46 (28 -36) evens Pg 47 (51 – 54)	EP3 (Lesson 1-9)
Thurs: Due Fri:	RS: pg 43 – 45	Practice Sheet		

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
<b>TOTAL POINTS</b>											
/25											
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

## Week 5 Challenge (Due on Friday)

1. A fireman stood on the middle rung of a ladder pouring water on a building. As the smoke cleared, he stepped up 3 rungs. A sudden flare-up forced him to go down 5 rungs. Later he climbed 7 rungs to work on the fire. Then he climbed the remaining 6 rungs to the top of the ladder and stepped off to stand on the roof. How many rungs did the ladder have?
  
2. A can with 40 marbles in it weighed 135 grams. The same can with 20 marbles weighed 75 grams. What is the mass of each marble? What is the mass of the can?

3. On September 20, 1519, Ferdinand Magellan set sail from Spain to attempt to find a western route to the rich Spice Islands. He was killed during the journey, but one of his ships, the *Vittoria*, arrived back in Spain on September 6, 1522, becoming the first ship to circumnavigate the world. Sir Francis Drake was the first British navigator to accomplish this feat, leaving on December 13, 1577, and returning on September 26, 1580, on the *Golden Hinde*. Which trip was shorter and by how many days?
  
4. A salesman packs dog biscuits in boxes containing 16, 17, 23, or 24 pounds each. He will not sell them in any other sizes or split a box. A customer wants exactly 100 pounds of the biscuits, no more or no less. Can the salesman fill the order? If not, how close can he come to making up the 100 pounds? He has as many of each size box as he might need.
  
5. Two students asked to have their math tests rescored. One student had a score of 50, which was far below the class average. The other had a score of 70, which was close to the average. Willard believes that adding 20 points to the lower score would raise the class average more than adding 20 points to the higher score. Is Willard correct? Explain your answer to someone who disagrees with you. You may use drawings to help explain your answer and your thinking.

<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 4</b> <b>Sept 10 - Sept 16, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Wed:		Review Practice Quiz and Study Guide		
Block (Mon or Tues): Due Wed:	No Homework			
Wed: Due Thurs:		Complete Goal Setting Sheet		
Thurs: Due Fri:	RS: pg 32 – 34	Pg 35 (10 -33) evens	Pg 35 (10 -33) evens Pg 36 (42 – 45)	EP3 (Lesson 1-7)

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
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TOTAL POINTS								/25			
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
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## Week 4 Challenge (Due on Friday)

- Bekah has three brass house-number digits: 2, 3 and 5. How many distinct numbers can she form using one or more of the digits?
  
- A complete cycle of a traffic light takes 60 seconds. During each cycle, the light is yellow for 5 seconds and red for 30 seconds. At a randomly chosen time, what is the probability that the light will be green?

3. A square poster is replaced by a rectangular poster that is 2 inches wider and 2 inches shorter. Which poster covers more of the wall? How much more?
4. The term  $a/b$  is a fraction. If 2 is added to the numerator, the value of the fraction is  $1/2$ . If 3 is added to the denominator, the fraction has a value of  $1/3$ . The value of the sum  $a + b$  is \_\_\_\_\_.
5. A rectangular floor is completely covered with tiles that measure  $1\text{ m} \times 2\text{ m}$ . If the tiles cannot be cut and do not overlap, which dimensions of the following are not those of this floor? Explain your reasoning.
- (a)  $4\text{ m} \times 9\text{ m}$       (b)  $8\text{ m} \times 8\text{ m}$       (c)  $11\text{ m} \times 7\text{ m}$

<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 3</b> <b>Sept 3 - Sept 10, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Wed:	RS: pg 18 – 19	Pg 20 - 21 (29 - 44) evens	Pg 20 (29 – 44) evens Pg 21 (45 – 48)	EP2 (Lesson 1-4)
Tues: Due Wed:	RS: pg 22 – 23	Pg 24 (17 - 30) evens	Pg 24 (17 – 30) evens Pg 25 (32 – 37)	EP3 (Lesson 1-5)
Wed: Due Thurs:	RS: pg 26 – 27	Pg 28 -29 (11 - 39) evens	Pg 28 - 29 (11 - 39) evens Pg 28 (40 – 44)	EP3 (Lesson 1-6)
Thurs: Due Fri:	Complete Practice Sheet			

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
<b>TOTAL POINTS</b>											
/25											
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

## Week 3 Challenge (Due on Friday)

- The year credit cards were first used was 10 years before President Kennedy took office. The sum of the digits in the year is 16 and their product is 45. What year was it?
  
- At Lake Eola, 60 trout were caught, tagged, and released. Later, trout were again caught and 20 of these were tagged and 80 were untagged. Estimate the trout population of Lake Eola.

3. Richard James invented the Slinky toy in 1943. Millions of Slinkys have been sold over the years. They are still making Slinkys with the original machinery. One Slinky is produced every 8 seconds, 24 hours a day. How many Slinkys are made each day?
  
4. While building a medieval cathedral, it cost 37 guilders to hire 4 artists and 3 stonemasons, or 33 guilders for 3 artists and 4 stonemasons. What would be the expense of just 1 of each worker?
  
5. Twenty students were randomly surveyed. The survey found that 5 students took band, 6 took chorus, and 12 took art. They also found that 3 of those students took band and art, 2 took chorus and art, and 1 took all three. How many students did not have any of these classes?

<b>Pre-Algebra Homework</b> <b>Trimester 1 - Week 2</b> <b>August 27 - Sept 2, 2010</b>	Name: _____ #: _____
	Subject- Period: _____
	Reason Late: _____ <input type="checkbox"/>

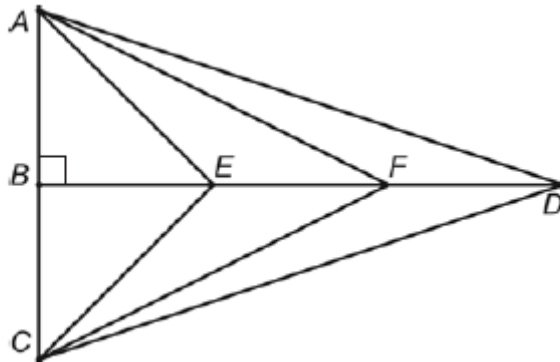
Website: *my.hrw.com* Login: *wh107preab* password: *lentini* Text: *Course 2: Pre-Algebra*

	All	Version 1.0 Prob.	Version 1.1 Prob.	Extra Practice
Fri: Due Wed:	No Homework			
Block (Mon or Tues): Due Wed:	RS: pg 6–7	Pg 8 (19 - 43) evens	Pg 8 (28–43) evens Pg 9 (45–49)	EP2 (Lesson 1-1)
Wed: Due Thurs:	RS: pg 10–11	Pg 12 (11 - 31) evens	Pg 12 (16 - 31) even Pg 13 (36–40)	EP2 (Lesson 1-2)
Thurs: Due Fri:	RS: pg 14–15	Pg 16 (27 - 52) evens	Pg 16 (27 - 52) evens Pg 17 (53–57)	EP2 (Lesson 1-3)

<input type="checkbox"/> Late	-1 per days late	<input type="checkbox"/> Sloppy/disorganized	-2								
<input type="checkbox"/> Problems not written out	-4	<input type="checkbox"/> Work not shown	-5								
<input type="checkbox"/> Challenge not Attempted	-3	<input type="checkbox"/> Not Corrected or Checked	-2								
<input type="checkbox"/> Random problems wrong	-6 possible	<input type="checkbox"/> Extra Pract./Enrich.	+2 possible								
<b>TOTAL POINTS</b>											
/25											
14/25	15/25	16/25	17/25	18/25	19/25	20/25	21/25	22/25	23/25	24/25	25/25
56%	60%	64%	68%	72%	76%	80%	84%	88%	92%	96%	100%

## Week 2 Challenge (Due on Friday)

**For problems 1–3,** see the figure below. Line segment  $AC$  is 2 inches long, with a midpoint at  $B$ . Line segment  $BD$ , which is perpendicular to  $AC$ , is 3 inches long. Line segment  $BD$  is divided into three subsegments, each of length 1 inch, by points  $E$  and  $F$ .



- How many triangles (of any size) can be found in the figure?
- In terms of area, what fraction of the region inside  $\triangle ADC$  is  $\triangle AFC$ ?

