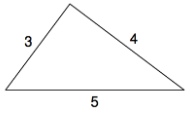
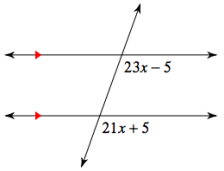
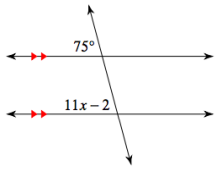
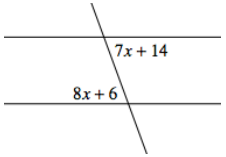
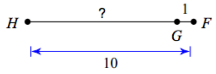
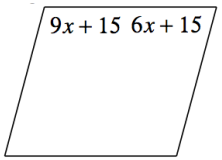
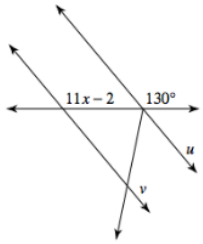
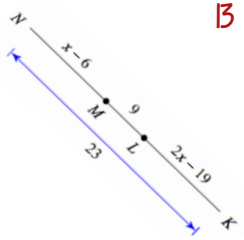
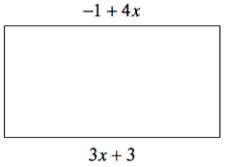
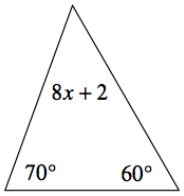
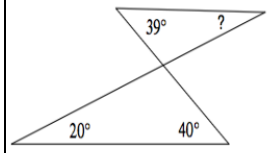
Calendar Math Project: NOVEMBER 2013

- Remember that the answer to each problem is the same as the date. Your job is to show the work to prove it. You should do all the work on a separate piece of paper NEATLY so that I can figure out what you did.
- **Assignment will be due December 1st.**
- You are welcome to come work on this with me as often as you'd like.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 $4(-x+4)=12$	2 $-6(1-5v)=54$
3 $-3-6(4x+6)>-111$	4 Find the missing side: 	5 	6 	7 	8 	9 
10 Solve for x 	11 You make a purchase for $10.28. What is the total price after 7% tax?	12 	13 	14 $\frac{9}{k-7}=\frac{6}{k}$ *answer is negative*	15 	16 In a right triangle, the hypotenuse is 20in and one of the legs is 12in. How long is the other leg?
17 A ladder is placed 5 feet away from the base of a wall. If the ladder reaches 15 feet up the wall, how long is the ladder?	18 	19 You make a purchase for $23.75. What is the total price after a 20% off coupon?	20 You make a purchase for $18.69. What is the total price after 7% tax?	21 	22 Find the percent decrease from 117 to 91	23 Solve for k. $\frac{k+7}{6}=k-18$
24 Solve using substitution: $y=x+1$ $2y+x=74$	25	26 John ran a five-mile race in 2 hours and 10 minutes. How fast can he run one mile (in minutes)?	27 Find the percent decrease from 284 to 206	28 Solve by graphing: $y=x+1$ $y=\frac{1}{2}x+15$ **(use graph paper)**	29	30 $\frac{x-3}{x}=\frac{9}{10}$