Bellwork

Hon Alg 2 Tuesday, March 21, 2017

- 1. Alice had to read 350 pages of a book over the weekend. If on Sunday, she read 50 pages more than half the amount she read on Saturday, how many pages did she read on Saturday?
- A. 150
- B. 175
- C. 200
- D. 225
- E. 250

- 3. Allie has three fewer than twice the number of coins that Jonathan has. If Jonathan gave 2 coins to Allie, she would have three times as many coins as he would. How many coins does Allie have?
- A. 2
- B. 3
- C. 5
- D. 7
- E. 9

- 2. If xy < 0, which of the following must be true?
- 1. x + y = 0
- II. 2y 2x < 0
- III.  $x^2 + y^2 > 0$
- A. I only
- B. III only
- C. I and III
- D. II and III
- E. I, II, and III

- 4. If  $2t + \frac{(s-r)}{3} = r$ , what is s in terms of r and t?
- A. 2r-3t
- B. 2(r-3t)
- C. 2(2r-3t)
- D. 2(2r + 3t)
- E. 3(2r-t)

- 5. Alan, Fred, and Mark are going to buy a computer that costs \$540. If Alan pays \$40 more than Fred and Fred pays twice as much as Mark, then how much does Mark pay?
- A. \$100
- B. \$140
- C. \$160
- D. \$200
- E. \$240

Hon Ala 2 Bellwork Answers

3-21-17

SAT SUN 
$$\left(X\right) + \left(\frac{1}{2}X + 50\right) = 350$$

多×+50=350

 $\frac{2}{3}$ ,  $\frac{3}{2}$ x = 300  $\frac{2}{3}$  [X = 200]

(2) If xy 40

Xi y have opposite signs but you don't know which one is pos and which one is meg.

I. may be true but you don't know xi'y are opposites

II. May be true if y is may but you don't know this

III. MUST be true becauce x2 & y2 will be pos.

$$A = 2J - 3$$

$$A+2 = 3(J-2)$$

$$A = 3J - 8$$

$$2J-3 = 3J-8$$

$$5 = J$$

$$A = 2(5) - 3$$

(5) 
$$A + F + M = 540$$
  $A = F + 40$   
 $(F + 40) + (2M) + M = 540$   $F = 2M$   
 $2M + 40 + 2M + M = 540$   
 $5M + 40 = 540$   
 $-40$   $-40$   $-40$   
 $5M = 500 \rightarrow (M = 100)$