Bellwork Hon Alg 2 Thursday, March 23, 2017

- 1. The amount of time that Amy walks is directly proportional to the distance that she walks. If she walks a distance of 2.5 miles in 50 minutes, how many miles will she walk in 2 hours?
- A. 3
- B. 4.5
- C. 5
- D. 6
- E. 6.5
- 3. Of all the houses in a certain neighborhood, 80% have garages. Of those with garages, 60% have two-car garages. If there are 56 houses with garages that are <u>not</u> two-car garages, how many houses are there in the neighborhood?
- A. 26
- B. 93
- C. 117
- D. 156
- E. 175

- 2. A total of 140,000 votes were cast for two candidates, Skinner and White. If Skinner won by a ratio of 4 to 3, how many votes were cast for Skinner?
- A. 30,000
- B. 40,000
- C. 60,000
- D. 80,000
- E. 105,000
- 4. On Tuesday, a watchmaker made 4 more watches than he had the previous day. If he made 16% more watches on Tuesday than on Monday, how many watches did he he make on Tuesday?
 - A. 16
 - B. 20
 - C. 21
 - D. 25
 - E. 29

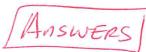
Bellwork Hon Alg 2 Thursday, March 23, 2017

- 1. The amount of time that Amy walks is directly proportional to the distance that she walks. If she walks a distance of 2.5 miles in 50 minutes, how many miles will she walk in 2 hours?
 - A. 3
 - B. 4.5
 - C. 5
 - D. 6
 - E. 6.5

- 2. A total of 140,000 votes were cast for two candidates, Skinner and White. If Skinner won by a ratio of 4 to 3, how many votes were cast for Skinner?
- A. 30,000
- B. 40,000
- C. 60,000
- D. 80,000
- E. 105,000
- 3. Of all the houses in a certain neighborhood, 80% have garages. Of those with garages, 60% have two-car garages. If there are 56 houses with garages that are <u>not</u> two-car garages, how many houses are there in the neighborhood?
- A. 26
- B. 93
- C. 117
- D. 156
- E. 175

- 4. On Tuesday, a watchmaker made 4 more watches than he had the previous day. If he made 16% more watches on Tuesday than on Monday, how many watches did he he make on Tuesday?
 - A. 16
 - B. 20
 - C. 21
 - D. 25
 - E. 29

Honors Alg 2 Bellwook Answers Thu 3-23-17



$$\frac{2.5mi}{50min} = \frac{xmi}{120min} = \frac{120min}{120min}$$

(2)
$$\frac{4 \text{ skinner}}{7 \text{ TOTAL}} = \frac{\text{X skinner}}{140,000 \text{ TOTAL}}$$

$$X = 80,000$$

(3) All houses w/ garages
$$= X$$
 60%. $\rightarrow 2$ -car garage $+0\%$. $\rightarrow nor$ z -car garage $+0\%$ of $X = 56$ $(+0)X = 56$ $X = 140$ houses w/ garages

80% of
$$y = 140$$

(80) $y = 140$