## Bellwork Alg 2A Monday, October 24, 2016

1. Find the Domain and Range of this graph.



a) Find 5g(-3) - 7f(4)

b) Find x if k(x) = 7

3. The number of laps Amber walks varies directly with the amount of time she walks. She walked 8 laps in 50 minutes.

a) Find the variation constant, including units.

b) Find the amount of time it will take her to walk 15 laps. Give the answer in hours, minutes, and seconds.

Bellwork Alg 2A Monday, October 24, 2016 Answers J 1. Find the Domain and Range of this graph.

2. Use these functions: 
$$f(x) = 3x - 1$$
  $g(x) = 2x^2 - 8$   $k(x) = \frac{2x - 1}{x + 4}$   $x = -5 \cdot 8$   
a) Find  $5g(-3) - 7f(4)$  b) Find x if  $k(x) = 7$   $7(x + 4) = 2x - 1$   
 $5o - 77 = 27$   $T = \frac{2x - 1}{x + 4}$   $7(x + 4) = 2x - 1$   
 $8 - 2x - 1$   
 $7(x + 4) = 2x - 1$