Algebra 1 ECA Remediaiton Name_____

# Homework 23.2

**Find each product.**

1) $(6k - 7)(-7k + 5)$

2) $(6x + 8)(-5x + 6)$

3) $(-7a + 5)(-6a + 2)$

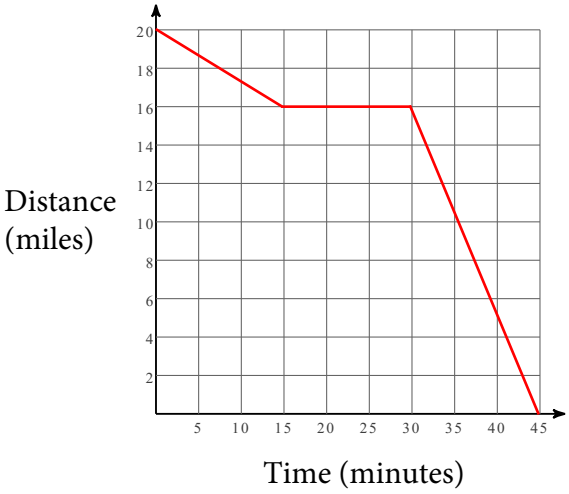
4) $(7p + 7)^2$

5) $(2x - 4)^2$

6) $(5a - 8)^2$

Tim rode his bicycle home from work. The graph below shows Tim's distance from home over time.

Tim's Bicycle Ride Home

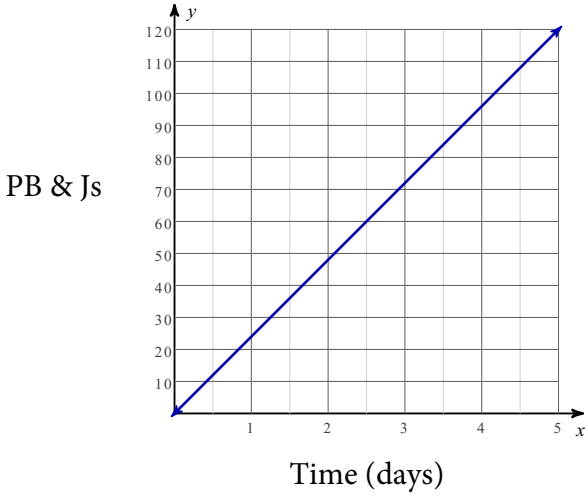



7) On what time interval is Tim stopped?

8) On what time interval is Tim traveling the fastest?

The graph below represents the total number of times a PB&J is eaten at an elementary school over a 5 - day period.

PB&Js Eaten




9) What is the slope of this line segment? Include the appropriate units in your answer.

10) Write an equation that represents the total number of PB&Js, P, are sent after, d, days.

11) If this trend continues, how many PB&Js will be eaten in 10 days?

# Answers to Homework 23.2

1) $-42k^2 + 79k - 35$ 2) $-30x^2 - 4x + 48$ 3) $42a^2 - 44a + 10$ 4) $49p^2 + 98p + 49$
5) $4x^2 - 16x + 16$ 6) $25a^2 - 80a + 64$

7) 15 minutes to 30 minutes 8) 30 minutes to 45 minutes 9) $\frac{24}{1}$ PB&Js per Day

10) P = 24d 11) 240 PB&Js