Algebra 1 ECA Remediaiton

Quiz 23.1

Find each product.

1)
$$(2p+4)(-8p+7)$$
2) $(-2x+1)(x+2)$ A) $-24p^2 - 49$ A) $-2x^2 - 3x + 2$ B) $-16p^2 - 18p + 28$ B) $-2x^2 - 5x - 2$ C) $-24p^2 + 14p + 49$ C) $-2x^2 + 5x - 2$ D) $-24p^2 - 70p - 49$ D) $-2x^2 + 2$

3)
$$(4m+5)^2$$
 4) $(2n+6)^2$

A)
$$16m^2 + 40m + 25$$
A) $4m$ B) $16m^2 - 25$ B) $4m$ C) $16m^2 + 25$ C) $4m$

D) 4*m* + 25

A)
$$4n^2 - 36$$

B) $4n^2 + 24n + 36$
C) $4n^2 + 36$
D) $9n^4 - 48n^2 + 64$

Pat rode his skateboard home from school. The graph below shows Pat's distance from home over time.

Pat's Skateboard Ride Home



5) On what time interval is Pat stopped?

- A) 0 minutes to 10 minutes
- B) 10 minutes to 40 minutes
- C) 40 minutes to 45 minutes
- D) Pat is never stopped

- 6) On what time interval is Pat traveling the fastest?
 - A) 0 minutes to 10 minutes
 - B) 10 minutes to 40 minutes
 - C) 40 minutes to 45 minutes
 - D) Pat travels at the same speed at all times

The graph below represents the total number of times a ball is kicked on the playground over a 5 - day period.

Ball Kicked on the Playground



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

A)
$$\frac{160}{1}$$
 balls kicked per Day
B) $\frac{16}{1}$ balls kicked per Day
C) $\frac{8}{1}$ balls kicked per Day
D) $\frac{32}{1}$ balls kicked per Day

8) Write an equation that represents the total number of balls kicked, B, after, d, days.

A) $B = 160d$	B) $B = 32d$
C) $B = 16d$	D) $B = 8d$

- 9) If this trend continues, how many balls will be kicked in 8 days?
 - A) 256 Balls Kicked
 - B) 1280 Balls Kicked
 - C) 128 Balls Kicked
 - D) 64 Balls Kicked