Algebra 1 ECA Remediaiton Name_____

Quiz 23.3

Find each product.

1) $(3m + 5)(6m + 4)$

A) $18m^2 - 18m - 20$
B) $18m^2 + 18m - 20$
C) $18m^2 + 42m + 20$
D) $18m^2 + 20$

2) $(-2r - 7)(5r - 1)$

A) $-10r^2 - 33r + 7$
B) $12r^2 + 26r + 14$
C) $12r^2 - 2r - 14$
D) $-10r^2 + 7$

3) $(n - 2)^2$

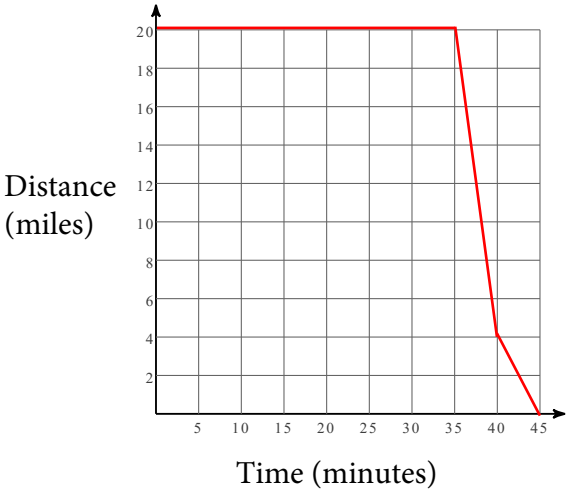
A) $n^2 - 4n + 4$
B) $n^2 + 4$
C) $n^6 - 2n^3 + 1$
D) $n^2 - 4$

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

A) $4x^2 + 25$
B) $4x^2 - 20x + 25$
C) $x^2 - 2x + 1$
D) $4x^2 - 25$

Tammy rode her motorcycle home from work. The graph below shows Tammy's distance from home over time.

Tammy's Motorcycle Ride Home



5) On what time interval is Tammy stopped?

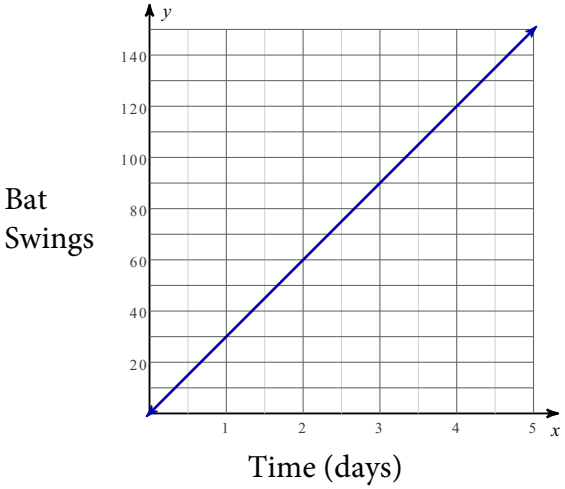
A) 0 minutes to 35 minutes
B) 35 minutes to 40 minutes
C) 40 minutes to 45 minutes
D) Tammy is never stopped

6) On what time interval is Tammy traveling the fastest?

A) 0 minutes to 35 minutes
B) 35 minutes to 40 minutes
C) 40 minutes to 45 minutes
D) Tammy travels at a constant pace at all times

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

Bat Swung on the Playground



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

A) $\frac{15}{1}$ bats swung per Day
B) $\frac{300}{1}$ bats swung per Day
C) $\frac{30}{1}$ bats swung per Day
D) $\frac{150}{1}$ bats swung per Day

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

A) B = 300d
B) B = 15d
C) B = 150d
D) B = 30d

9) If this trend continues, how many bats will be swung in 11 days?

A) 165 Bats Swung
B) 330 Bats Swung
C) 3300 Bats Swung
D) 1650 Bats Swung