**PRACTICE:** LESSON 4.4 – INTERSECTING LINEAR EQUATIONS   **Name**: _____

| Learning Goal: I can identify and verify the x and y values that *simultaneously satisfy* two linear equations that *intersect* on a graph. **Meta de Aprendizaje**: Puedo identificar y verificar los valores de x e y que *cumplan simultáneamente* dos ecuaciones lineales que *se cruzan* en un gráfico.	Language Goal: I can interpret a graph of two *intersecting* lines and describe the meaning of the *point of intersection*. **Lenguaje Objetivo**: Puedo interpretar un gráfico de dos líneas que *se cruzan* y describir el significado del *punto de intersección*.

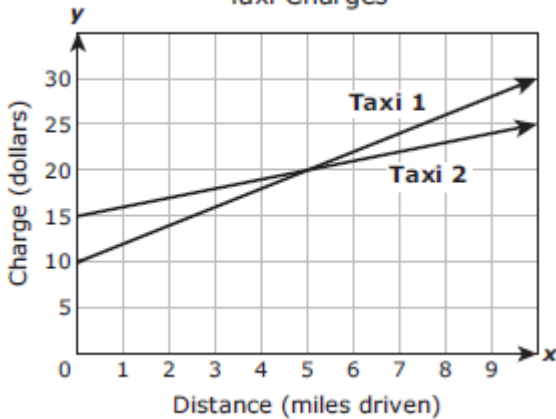1. What ordered pair represents a *solution* to both linear equations?
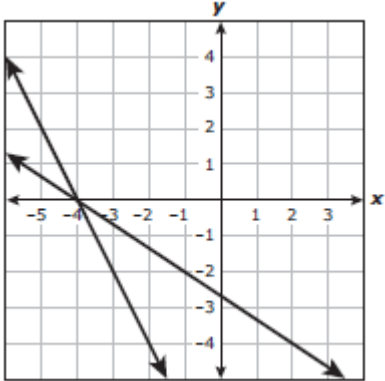
  Answer: (_____ , _____)

2. What x and y values *simultaneously satisfy* both equations?

  Answer: (_____ , _____)

3.
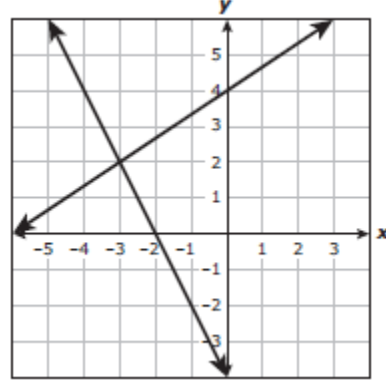
After how many *miles driven* do both taxis *charge* the *same* amount?
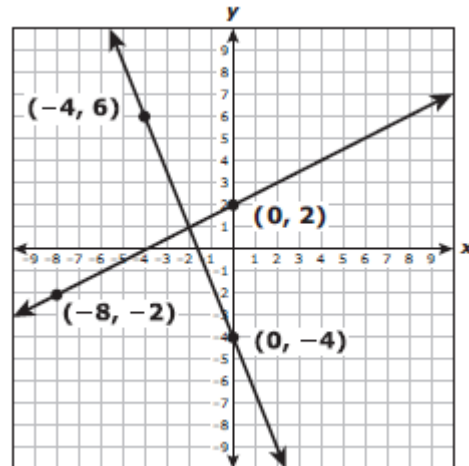
  Answer: _____ miles

How many dollars will both taxis charge when the two linear equations are *simultaneously satisfied*?

  Answer: _____ dollars

What ordered pair represents the *solution* to both equations?

  Answer: (_____ , _____)

4. The two lines graphed on the coordinate grid each represent an equation.

What ordered pair represents a *solution* to both equations?
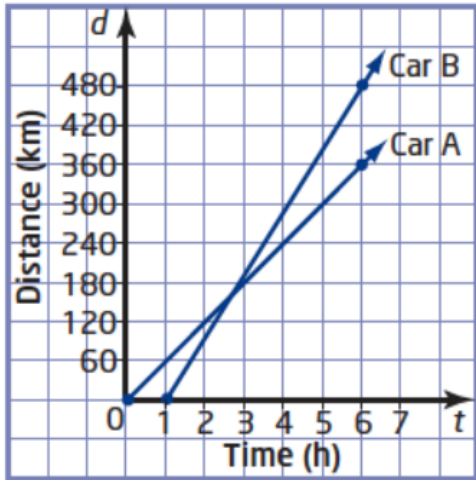
  Answer: (_____ , _____)

What is the *slope* of the **NEGATIVE** line?

  m = _____

What is the *y-intercept* of the **POSITIVE** line?

  b = _____

5. Which ordered pair is closest to the *solution* of both linear equations?
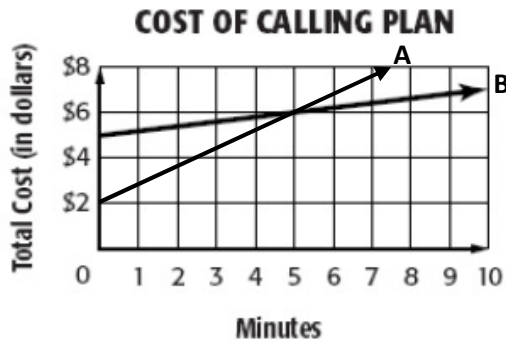

A. (6 , 180)
B. (180 , 3)
C. (150 , 2.5)
D. (2.5 , 150)

Which car represents a *proportional relationship*?

CAR A   or   CAR B ?

6.

HANDLING FEES

After how many *pounds* will the handling fees be *equal*?

Answer: _____ pounds

How many dollars is the handling fee when both equations are *equal*?

Answer: _____ dollars

7.

COST OF CALLING PLAN
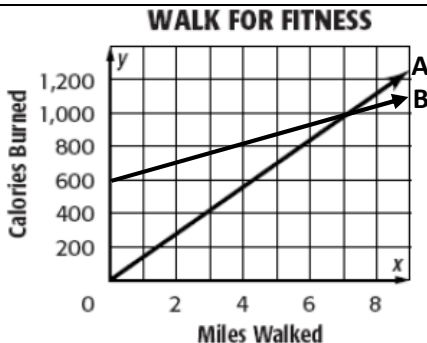

Based on the graph, which statement is true?

A. The total cost for 5 minutes of phone calls is $3 greater for Plan A than for Plan B.
B. The total cost for 5 minutes of phone calls is $3 greater for Plan B than for Plan A.
C. The total cost for 5 minutes of phone calls is $6 for both Plan A and Plan B.

8.

WATER IN POOL

Based on the graph, which statement is true?

A. In 4 minutes Pool A has 10 more gallons than Pool B.
B. In 4 minutes both Pool A and Pool B have 20 gallons.
C. In 4 minutes both Pool A and Pool B have 30 gallons.

Which pool represents a *proportional relationship*?

POOL A   or   POOL B ?

9.

WALK FOR FITNESS

After how many miles will Walker A and Walker B burn the *same* calories?

Answer: _____ miles

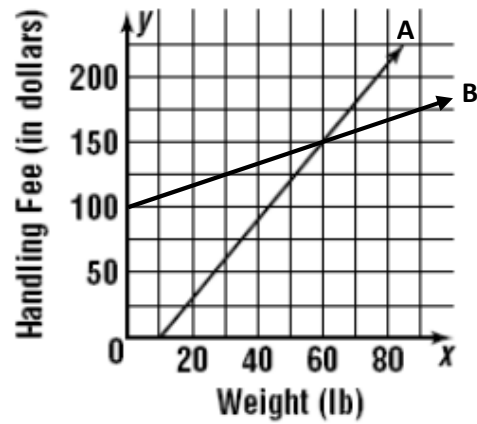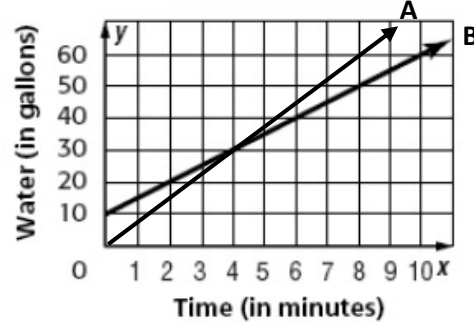What ordered pair represents a *solution* to both equations?

Answer: (_____ , _____)

What x and y value *simultaneously satisfy* the two linear equations?

Answer: (_____ , _____)