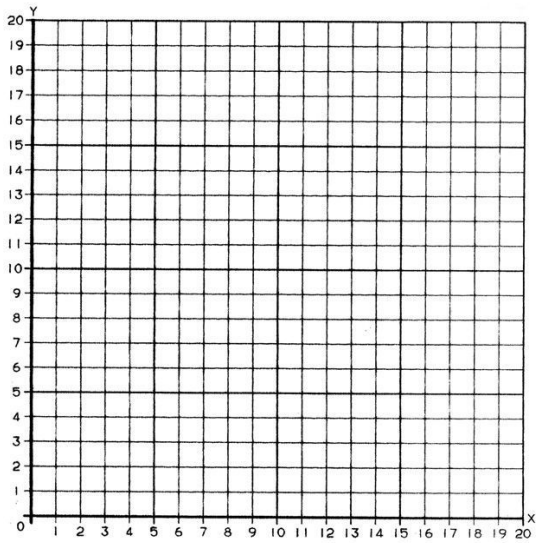
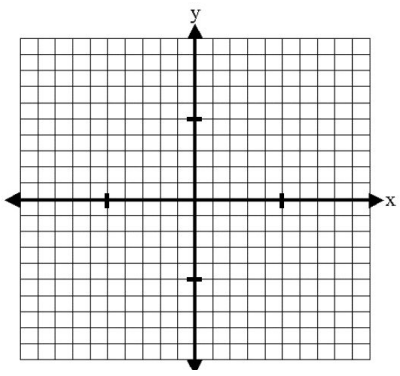
**<u>Day 26:</u> Review!**

**1.**

| | |
|---|---|
| Amelia has $15 in her wallet. Each lunch she goes to the taco truck and purchases $3 worth of food. Write an equation to represent the situation if x represents the amount of meals she purchases and y represents the amount of money left in her wallet. → | **Equation:** |
| **Graph the equation:**  | **Solve algebraically:**<br>a. How much will she have left after 4 lunches?<br><br>b. When will she have $6 left? |

**2.**

| | |
|---|---|
| **Complete the table:**<br><br>**x** 0 _ 6 _<br>**y** 4 _ 8 _ | **Find the slope:**<br><br>**Write an equation to represent the table:** |
| **Graph the equation:**  | **Solve algebraically:**<br>a. What will x be when y is equal to 60? |

**3.**

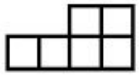


Figure 1

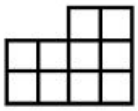


Figure 2

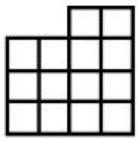


Figure 3

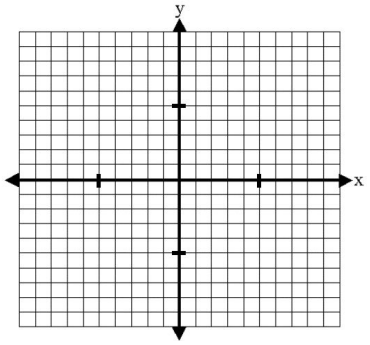
**Draw the fourth and fifth figures:**

**Define the variables:**

**x:** **y:**

**Write the equation:**

**Graph the equation:**




**4. Calculate the slope:**

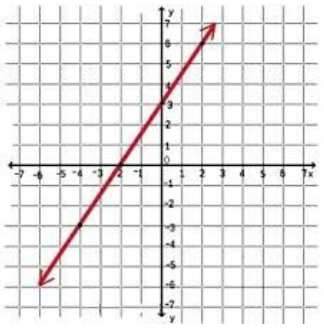
a. Between (4,-5) and (4,-11)

Slope: _____

b. Between (8,10) and (13, 10)

Slope: _____

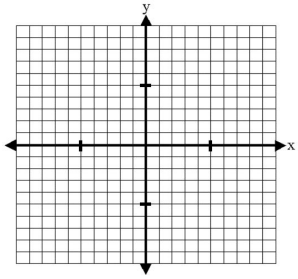
**c.**



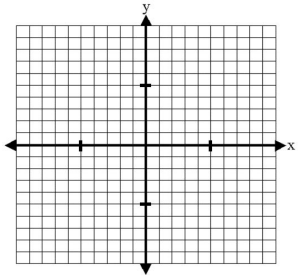
Slope: _____

**5. Graph the equations:**

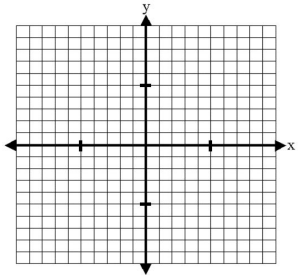
**a.** $y = \frac{4}{3}x - 5$



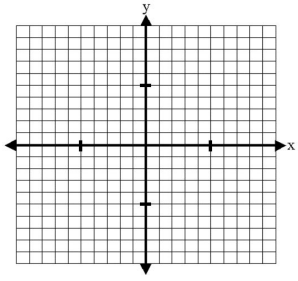

**b.** $y = -3x + 6$



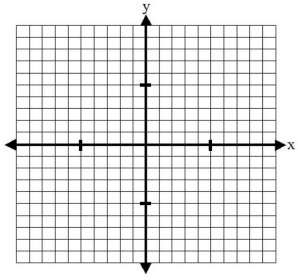

**c.** $y = 5$

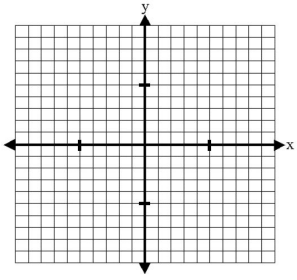



**d.** $y = x$




**e.** $y = -x$




**f.** $x = -8$