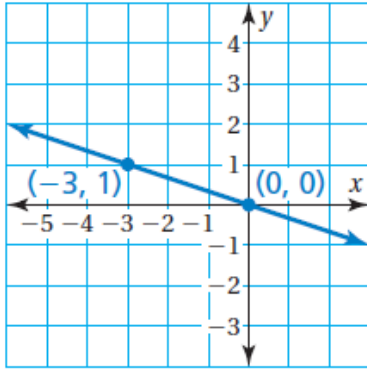


WRITING EQUATIONS REVIEW WORKSHEET

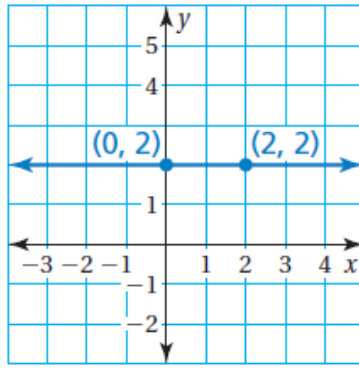
NAME: _____

Write an equation for the line in slope-intercept form.

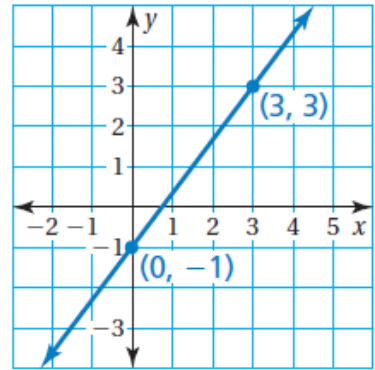
1. _____



2. _____



3. _____

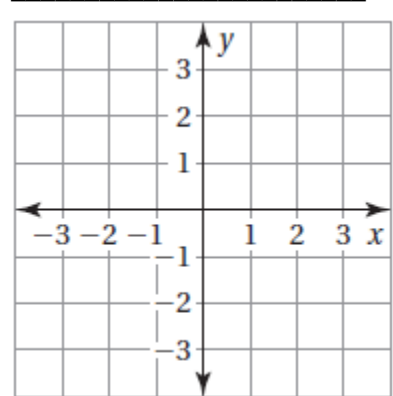
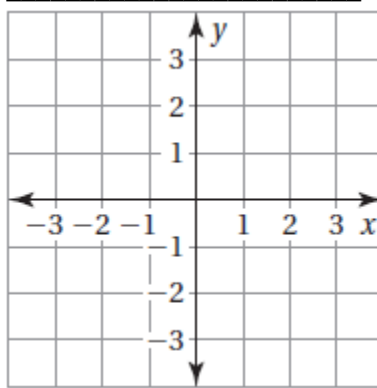
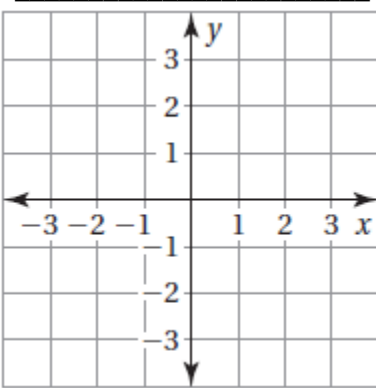


Write an equation of the line with the given slope that passes through the given point.

4. $m = 2/3$ point: $(-3, -4)$

5. $m = -\frac{1}{2}$ point: $(2, 0)$

6. $m = -1$ point: $(3, 1)$

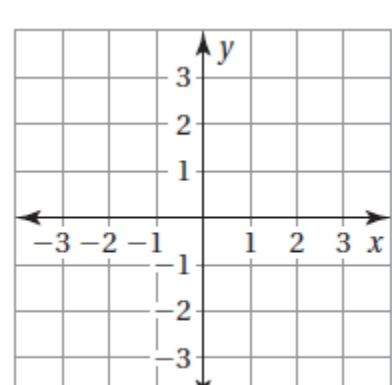
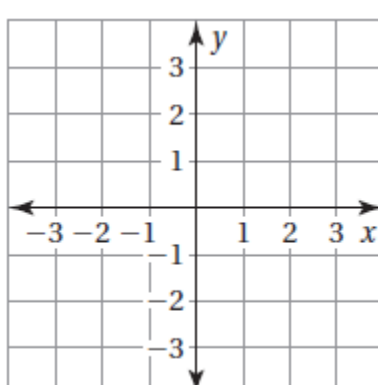
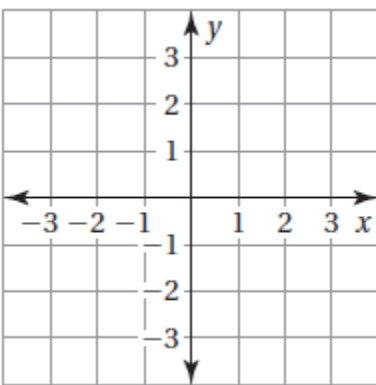


Write an equation of the line that passes through the two points.

7. $(1, 1)$ & $(3, -3)$

8. $(-4, 1)$ & $(4, 3)$

9. $(-2, 4)$ & $(-1, 1)$



10. **You are saving money for a mountain bike. You have already saved \$40 and earn \$20 per lawn that you mow.**

a) Write an equation that represents the amount of money you have y (in dollars) after x lawns mowed.

b) The mountain bike you want is \$160. How many lawns do you need to mow to earn enough money to buy the bike?

11. **You are planning to go to a carnival. There is a \$5 admission fee and each ride costs \$2.**

a) Write an equation that represents the amount of money you spend y (in dollars) after going on x rides.

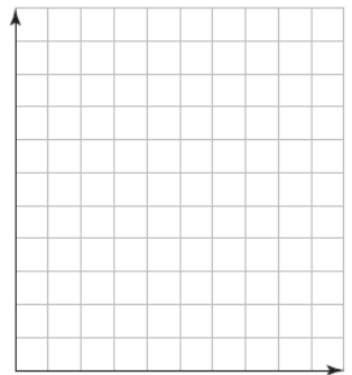
b) How much would it cost to go on 12 rides?

12. **You are draining an aquarium. It drains at a rate of 6 liters per minute. After 2 minutes, there are 36 liters remaining.**

a) How many liters were in the aquarium at the beginning?

b) Write an equation that represents the amount y (in liters) of water x minutes after you begin draining it.

b) How long does it take to drain the aquarium?

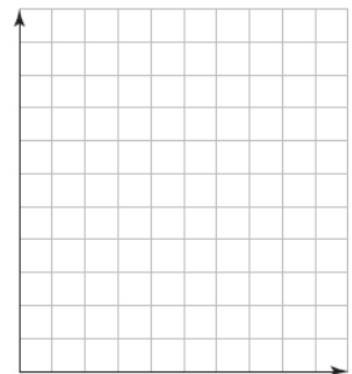


13. **You buy a savings bond. It increases the same value every year. After 2 years, the savings bond is worth \$70. After 5 years, the savings bond is worth \$100.**

a) How much is the savings bond increasing each year?

b) What was the original value of the savings bond?

c) Write an equation that represents the value y (in dollars) of the savings bond x years after you bought it.



14. **To rent a pontoon you are charged a flat fee plus a daily rate of \$100. After 4 days the total cost is \$700.**

a) What was the flat fee?

b) Write an equation that represents the total cost y after x days.

