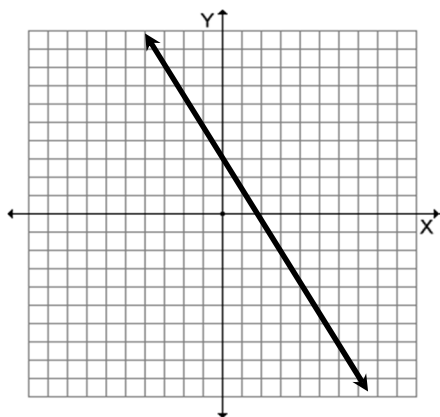


Objective 1 – Vocabulary

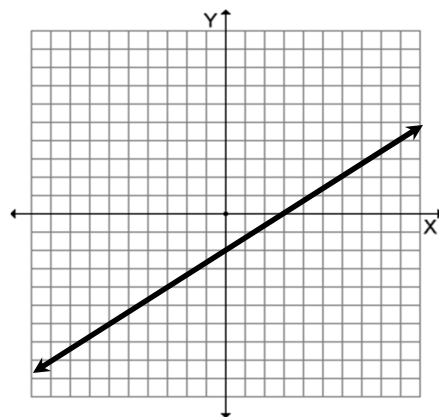
1. Parallel lines
2. Perpendicular lines
3. Reciprocal
4. Opposite

Objective 2 – Write or identify an equation given a graph.

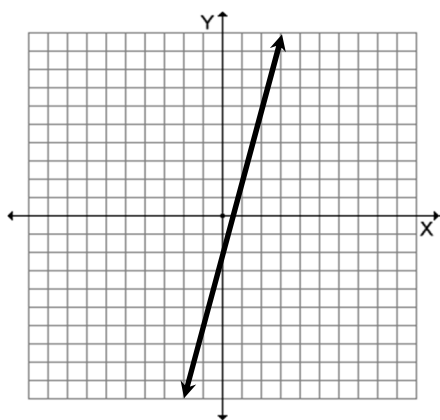
5. _____



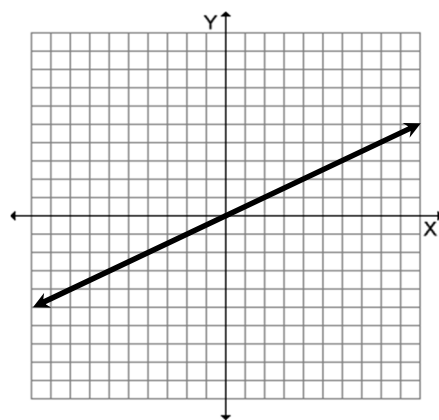
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7. _____

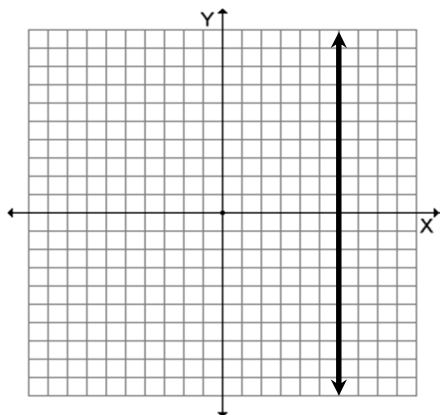


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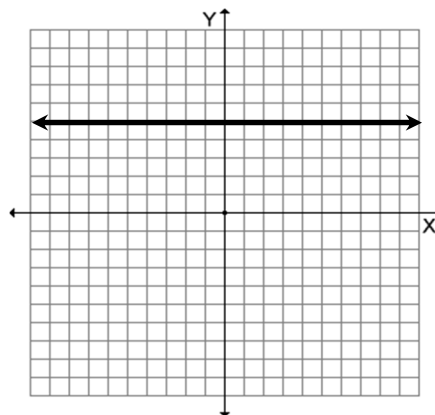


Objective 3 – Write or identify the equation of horizontal and vertical lines given a graph.

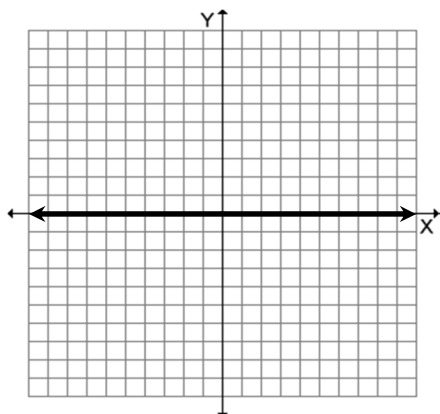
9. _____



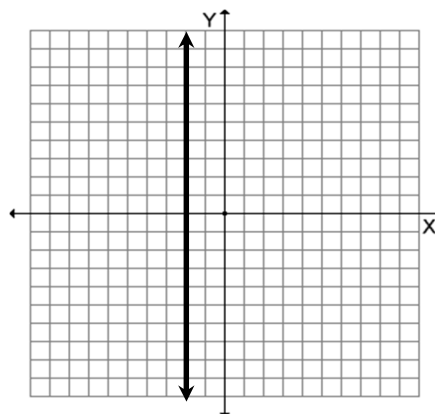
10. _____



11. _____



12. _____



Objective 4 – Write or identify a linear equation given the slope and point on the line.

13. Write the equation of a line that passes through the point $(2, -4)$ and has a slope of -4 .

14. Write the equation of a line that passes through the point $(-3, 5)$ and has a slope of $\frac{2}{3}$.

15. Write the equation of a line that passes through the point $(-6, -3)$ and has a slope of $-\frac{1}{2}$.

Objective 5 – Write or identify a linear equation given two points on the line.

16. Write the equation of a line that passes through the points $(6, -2)$ and $(4, -10)$.

17. Write the equation of a line that passes through the points $(3, 7)$ and $(-3, 5)$.

18. Write the equation of a line that passes through the points $(-5, -1)$ and $(3, -9)$.

Objective 6 – Write the equations of parallel and perpendicular lines.

19. Write the equation that is parallel to $y = -2x + 5$ and passes through the point $(1, -4)$.

20. Write the equation that is parallel to $x - 3y = -3$ and passes through the point $(-6, 7)$.

21. Write the equation that is perpendicular to $y = \frac{1}{3}x - 2$ and passes through the point $(1, 4)$.

22. Write the equation that is perpendicular to $4x + 2y = -6$ and passes through the point $(8, 2)$.

Objective 7 – Model a situation with a linear equation.

23. The value of a brand new car is \$24,500. Each month the value of the car decreases by \$150.
- Write an equation that shows the value of the car, V , after m months.
 - How much is the car worth after 2 years?
24. Mario's Pizza delivers pizzas for a standard fee. If you order 4 pizzas, it cost \$54. If you order 9 pizzas, it cost \$114.
- Write an equation that models the cost, C , of ordering p pizzas.
 - If you ordered 6 pizzas, how much would you pay when the pizzas are delivered?
25. Watchit Cable Company charges a monthly fee and a one-time set up fee. Three months of cable cost \$305 and nine months of cable cost \$785.
- Write an equation that models the cost, C , of cable for m months.
 - How much would cable cost for 1 year?