Name: _____
Date: _____ *Hour:* ____

Lesson 4: Horizontal and Vertical Lines Worksheet
Explain questions with stars next to question numbers.

1) What is slope of $x = 5$?

2) What is slope of $y = -2$?

3) What is slope of $y = 4$?

4) What is slope of $y = 3x$?

5) What is slope of $x = -\frac{2}{5}$?

6) What is slope of $y = -\frac{2}{5}x$?

7) What kind of line is $y = 6$?

8) What kind of line is $x = -2$?

9) What kind of line is $y = 2x$?

10) What is the y-intercept of $y = -6$?

11) What is the x-intercept of $x = 4$?

12) What is the equation of any horizontal line?

13) What is the equation of any vertical line?

Write the standard form of the equation of the line through the given information.

14) $(-3, 2),\ slope = undefined$

15) $(-3, -2),\ slope = 0$

16) $(5, 1),\ slope = undefined$

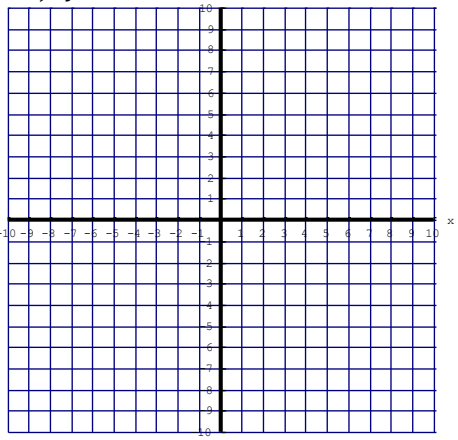
★17) $(3, 0),\ slope = 0$

18) $(5, -2)\ and\ (0, -2)$

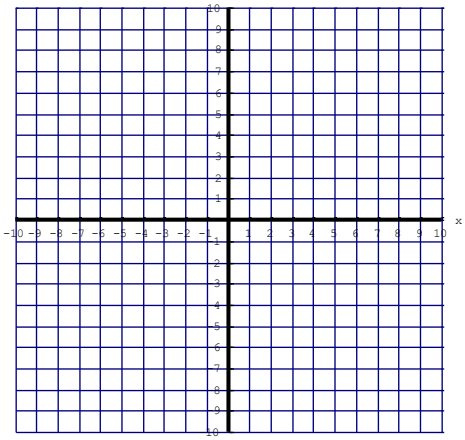
19) $(-5, 3)\ and\ (-5, 5)$

Graph the following equations.

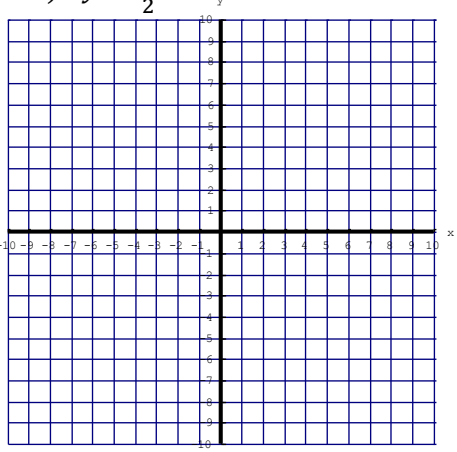
20) $y = 5$



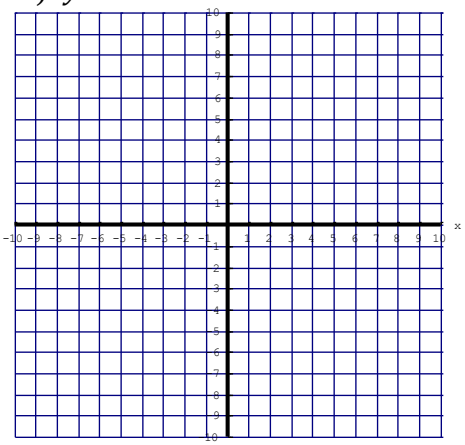
21) $x = -3$



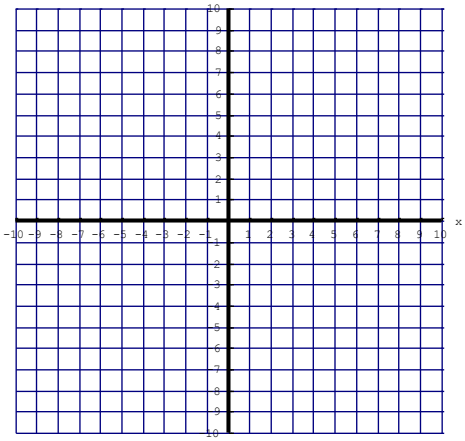
22) $y = \frac{1}{2}x - 7$



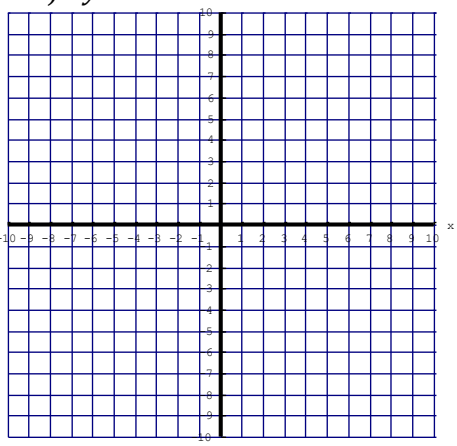
20) $y = -2$



21) $x = 0$

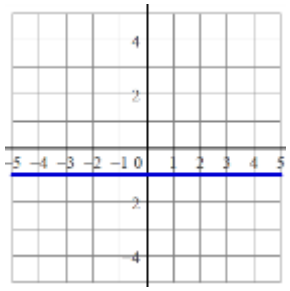


22) $y = -2x$

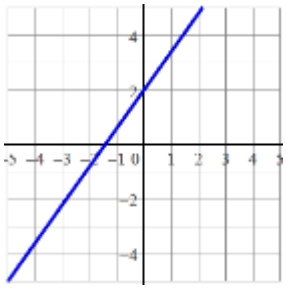


Identify the equation of each graph.

23)



24)



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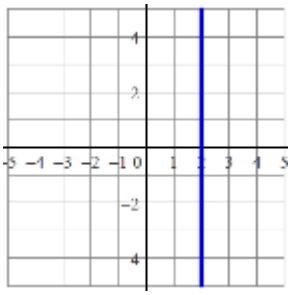
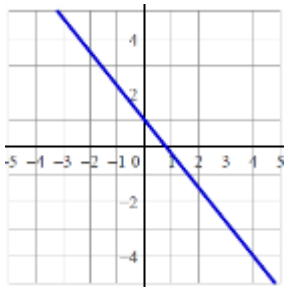
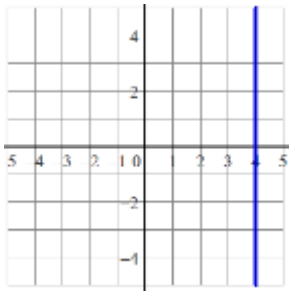


23)



★ 24)



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