Take Test: Vertical, Horizontal, Parallel, and Perpendicular Lines Quiz

Description	
Instructions	
Multiple Attempts	Not allowed. This Test can only be taken once.
Force Completion	This Test can be saved and resumed later.

Save All Answers Save and Submit

Question 1

4 points Save Answer

If one point on a vertical line has the coordinates (5, -2), which points are also on the line? Select all that apply.

- [ ] (-3, 1)
- [ ] (5, 1)
- [ ] (5, 0)
- [ ] (-4, -3)

Question 2

3 points Save Answer

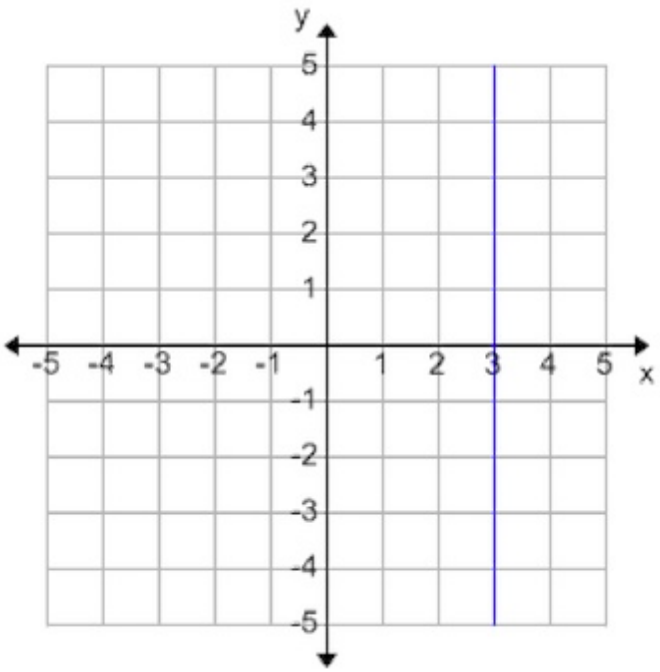
Two points on a line are given by the ordered pairs (0, -1) and (0, 6). What type of line is this?

- ○ horizontal
- ○ vertical
- ○ slanted
- ○ none of these

Question 3

3 points Save Answer

Which of the following is the graph of $x = 3$?


y
5
4
3
2
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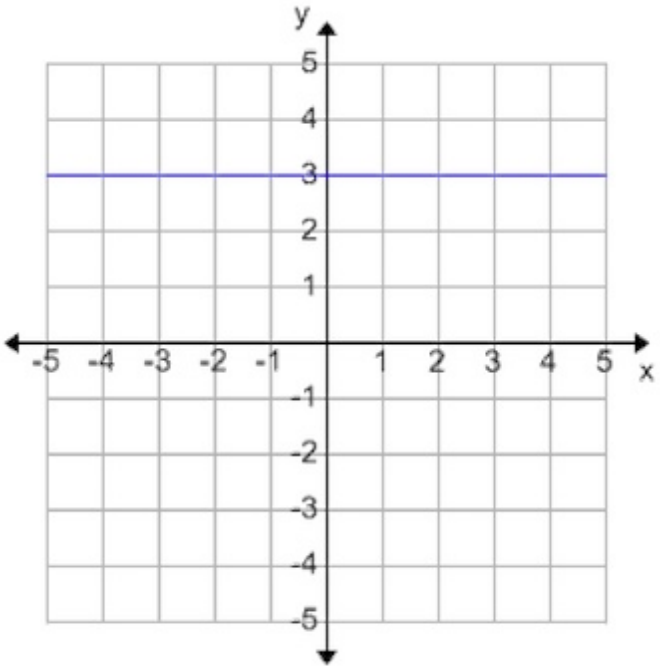
-5 -4 -3 -2 -1 1 2 3 4 5 x
-1
-2
-3
-4
-5


y
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-5 -4 -3 -2 -1 1 2 3 4 5 x
-1
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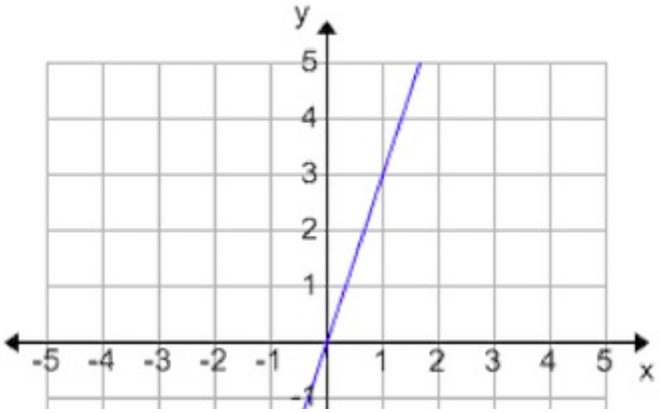
-5


y
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-5 -4 -3 -2 -1 1 2 3 4 5 x
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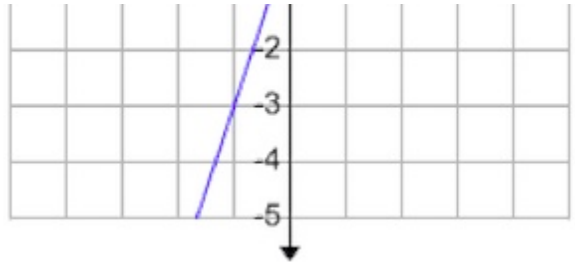
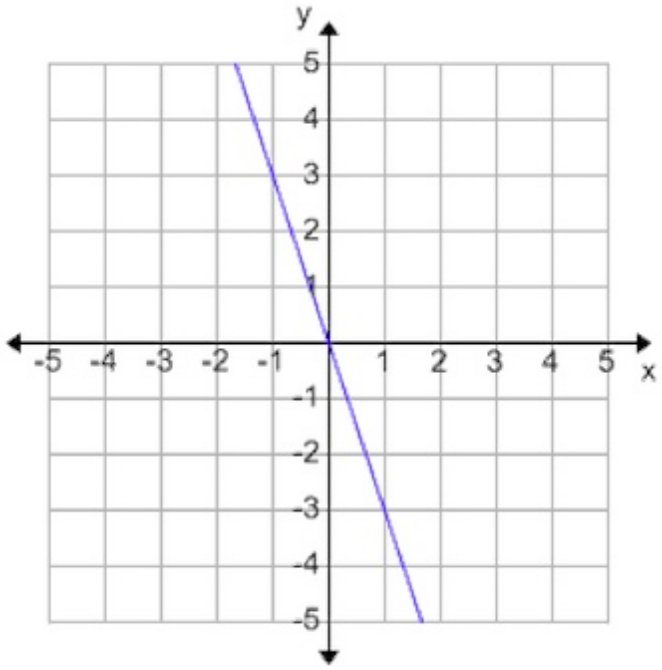
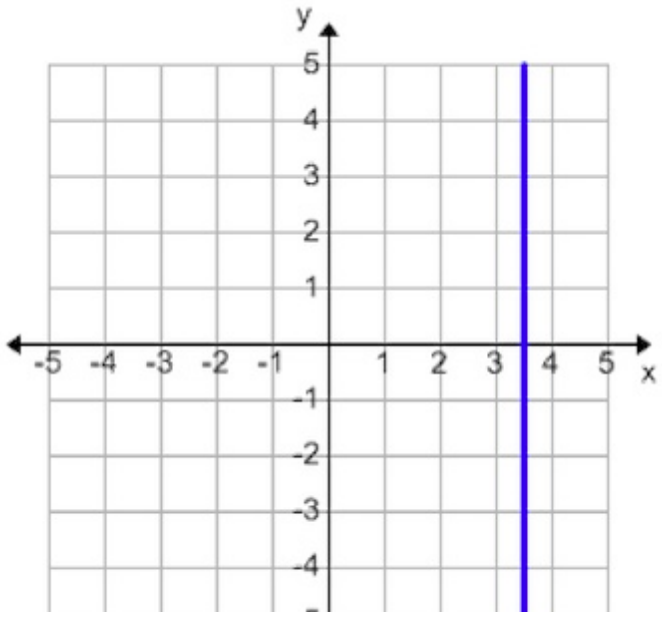


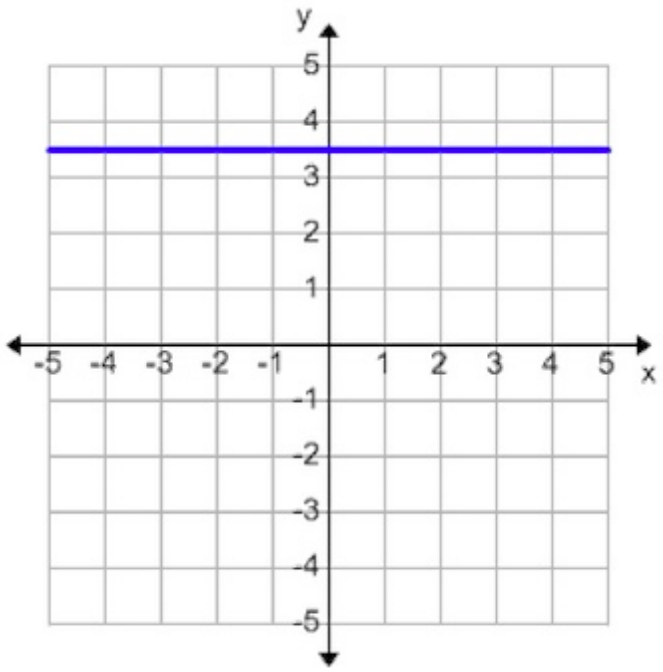


Question 4

3 points Save Answer

Which of the following is the graph of $y = 3.5$?




y
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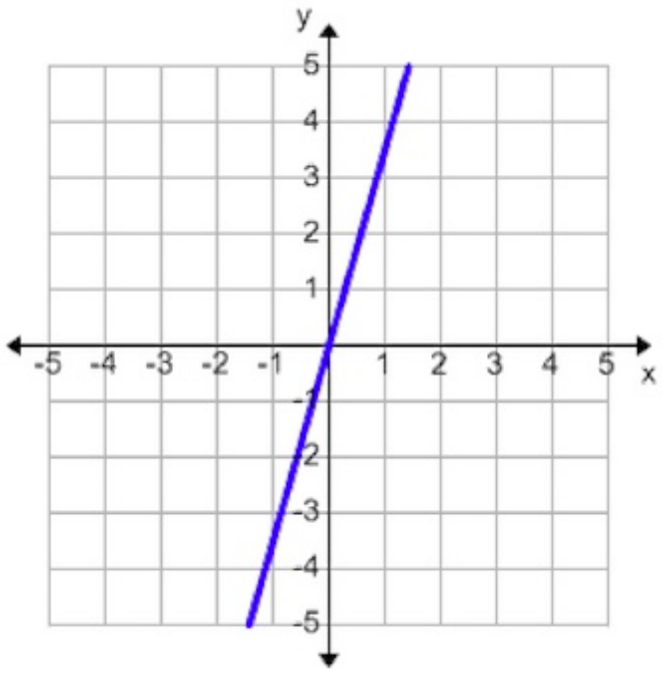
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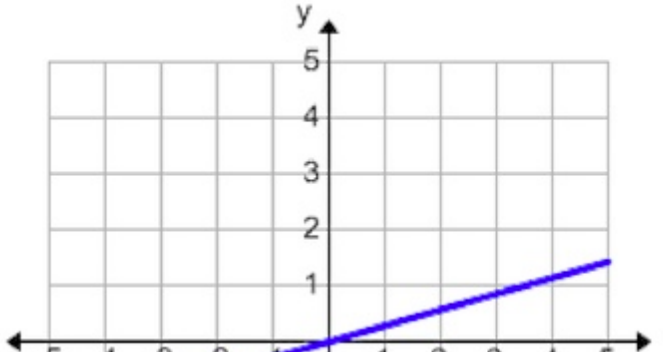
y
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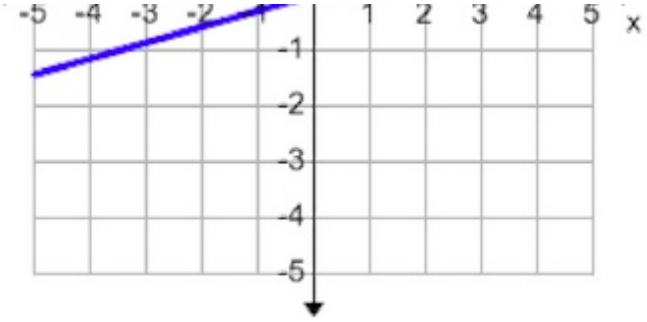
1



Question 5

3 points Save Answer

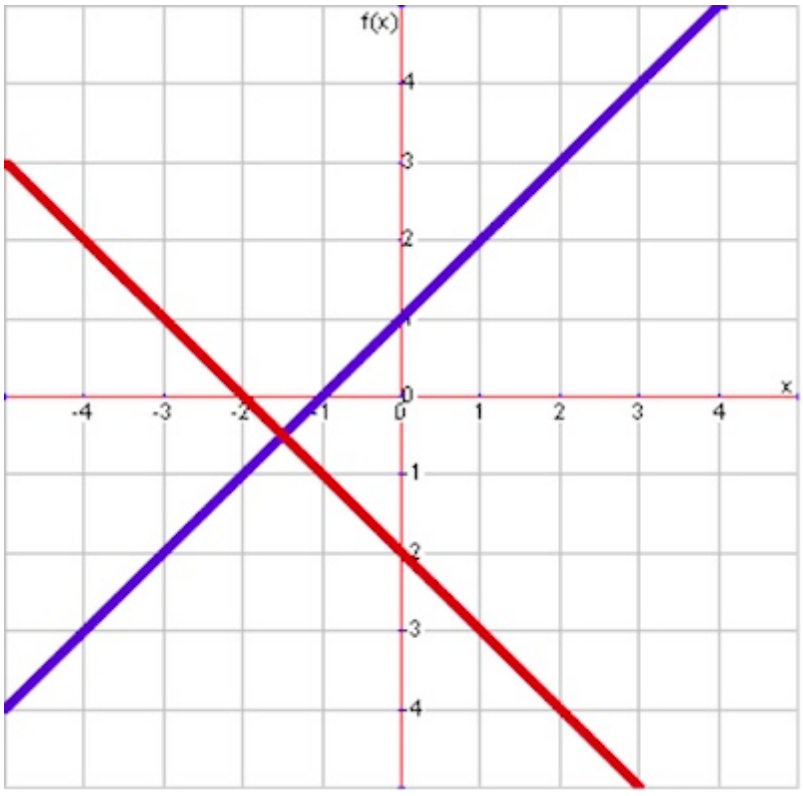
The slopes of two lines are 3 and $-\frac{1}{3}$. Because of this, we can conclude that these two lines are which of the following?

- Parallel
- Perpendicular
- Horizontal
- None of these

Question 6

4 points Save Answer

Two lines are graphed below. What can we conclude about them? Select all that apply.



- [ ] The lines are perpendicular.

- ☐ The lines are parallel.
- ☐ The lines have the same slope.
- ☐ The lines have opposite reciprocal slopes.

Question 7

3 points Save Answer

Line F passes through the points (7, 13) and (9, -3). What is the slope of a line parallel to line F?

- ○ -8
- ○ $-\frac{1}{8}$
- ○ $\frac{1}{8}$
- ○ 8

Question 8

3 points Save Answer

Line B passes through the points (5, 10) and (0, 0). What is the slope of a line perpendicular to line B?

Question Completion Status:

- ○ -2
- ○ $-\frac{1}{2}$
- ○ $\frac{1}{2}$
- ○ 2

Question 9

3 points Save Answer

Select the equation of the line parallel to the equation $y = -4x - 6$ and that passes through the point (1, 2).

- ○ $y = 4x + 6$
- ○ $y = -4x + 6$
- ○ $y = -4x - 4$
- ○ $y = 3x - 1$

Question 10

3 points Save Answer

What is the equation of the line perpendicular to $y = 5x - 3$ that passes through the point (3, 5)?

- ○ $y = -5x + 20$
- ○ $y = -\frac{1}{5}x + \frac{28}{5}$

- $y = \frac{1}{5}x + \frac{22}{5}$
- $y = 5x - 10$

Save and Submit

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers | Save and Submit