

P.S. #4.2 - Slope

Name: _____ Class: _____

1.) Write the formula for the slope of a line.

2.) What is the slope of a horizontal line?

3.) What is the slope of a vertical line?

For 4 – 9, find the slope of the line that passes through the given points.

4.) $(8,10), (-7,14)$

5.) $(-19,-6), (15,16)$

6.) $(-18,-20), (-18,-15)$

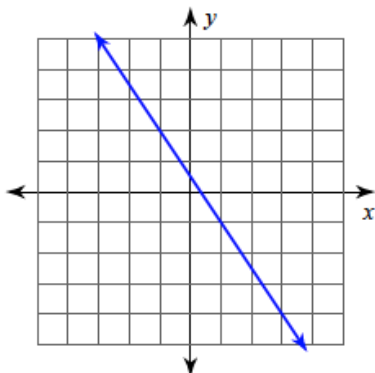
7.) $(8,21), (-3,21)$

8.) $(1,-19), (-2,-7)$

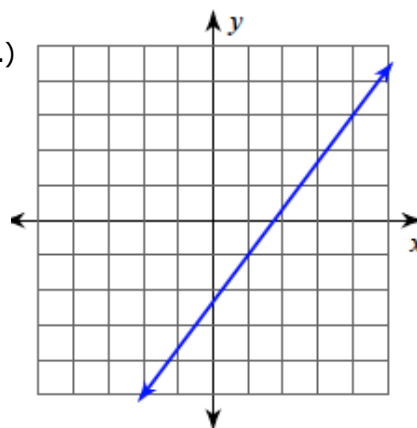
9.) $(3,-20), (5,8)$

For 10 – 11, find the slope of the line given.

10.)



11.)



12.) Zack and Darryl are members of the video game of the month club that has a joining fee. Zack is a member for 3 months and pays a total of \$27. Darryl is a member for 8 months and pays a total of \$52. How much does it cost per month?

13.) Jackson and Brandon decide to go to a fair. It costs a certain amount of money to enter the fair and each game has the same price. Jackson rode 8 rides and paid \$15. Brandon rode 12 rides and paid \$21. How much does each game cost?

For 14 – 15, isolate y .

14.) $2x + 3y = 9$

15.) $4y - x = 20$

16.) Malachy has a board that is 5 feet long. He plans to use it to make 4 shelves whose lengths are to be a series of consecutive integers. How long should each shelf be in inches?

17.) Draw a smiley face because you're done with your problem set! ☺