Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Graphing Slope – Review Sheet

***If there is NOT enough information, draw TWO lines that fit that description.***



1. Graph $y=\frac{2}{5}x-3$

Starting Point \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the value of y, when x = 10.

Find the value of y, when x = -5.

2. What is the equation of the following x/y chart?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| x | -2 | -1 | 0  | 1 | 2 | 3 |
| y | 8 | 6 | 4 | 2 | 0 | -2 |

Starting point \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Graph the equation**.



3. What is the equation of the line?

Starting Point \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the value of y, when x = 9

Find the value of y, when x = -2





4. Graph a line with a slope of $\frac{2}{3}$.

Starting Point \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Do you have enough information? What is missing?



6. Graph a line that goes through (2, -5)

Starting Point \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Do you have enough information? What is missing?

5. Graph a line that goes through (-8, 6) and (2,1).

Starting Point \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Positive or Negative slope? (CIRCLE)

Slope \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the value of y, when x = 4.

Find the value of y, when x = -6.



9. From the following graph, fill in the x/y chart.

Line G

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| x |  |  |  |  |  |  |
| y |  |  |  |  |  |  |

Line H

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| x |  |  |  |  |  |  |
| y |  |  |  |  |  |  |

8. Graph the following lines in different colors.

Line D 🡪 $y= -3x+5$

Line E 🡪 $y= 2x+10$

Line F 🡪 $y= \frac{1}{3}x-4$

7. Write the equation for the following lines.

Line A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Line B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Line C \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which line is the STEEPEST?



10. Find the slope of the line passing through each pair of points below.

Line I (1,2) and (4,-1)

Line J (7,3) and (5,4)

Line K (-6,8) and (-8,5)

**Match the following graphs to the appropriate equations.**

**BECAREFUL of the scales of the graph.**



