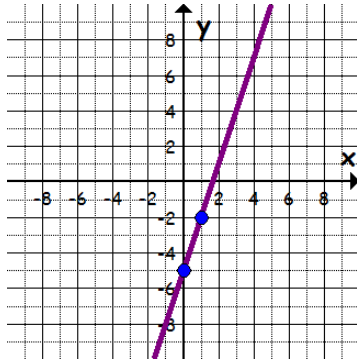


Slope review

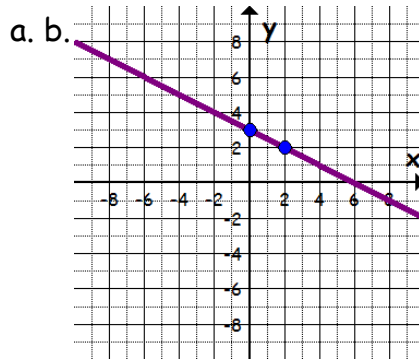
Remember to find the slope of a line use:

$$m = \frac{\Delta y}{\Delta x} = \frac{\text{rise}}{\text{run}} = \frac{y_2 - y_1}{x_2 - x_1}$$

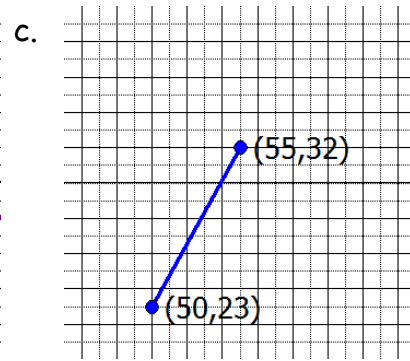
1. Find the slope for each situation below:



slope =



slope =



slope =

d. (3, 4) and (5, 7)

e. (-1, -4) and (-5, -7)

f. (1, -5) and (-3, 4)

slope =

slope =

slope =

2. Slopes of parallel lines:

Find the slopes of each line:

\overleftrightarrow{AB}

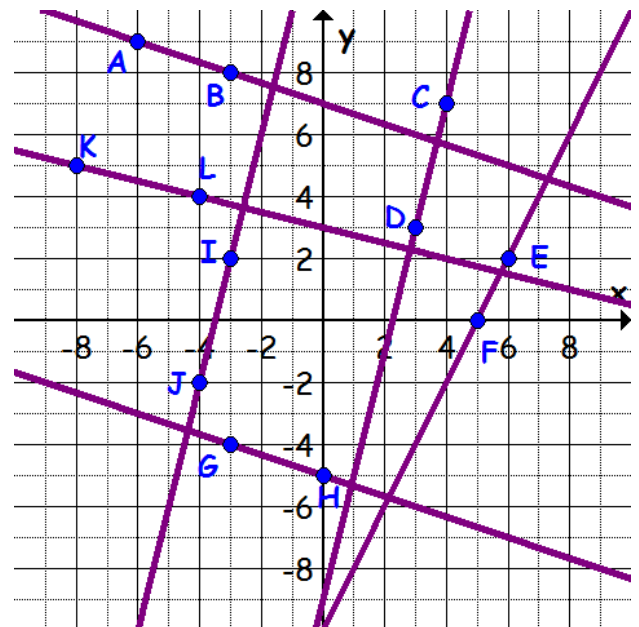
\overleftrightarrow{CD} :

\overleftrightarrow{EF} :

\overleftrightarrow{GH} :

\overleftrightarrow{IJ} :

\overleftrightarrow{KL} :



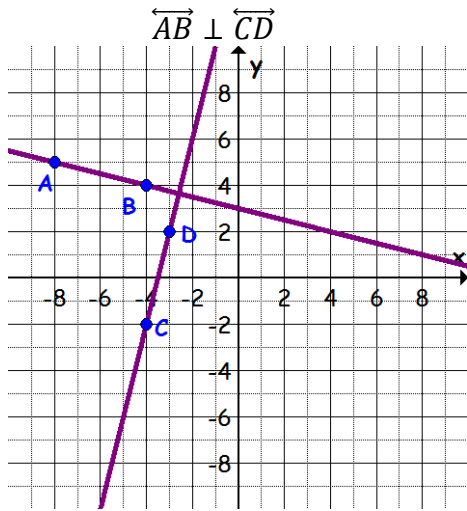
Which lines are parallel? _____ || _____

_____ || _____

If two lines are parallel, then their slopes are _____.

3. Slopes of perpendicular lines:

Remember, perpendicular lines intersect at a right (90°) angle. Find the slopes of the perpendicular lines below.



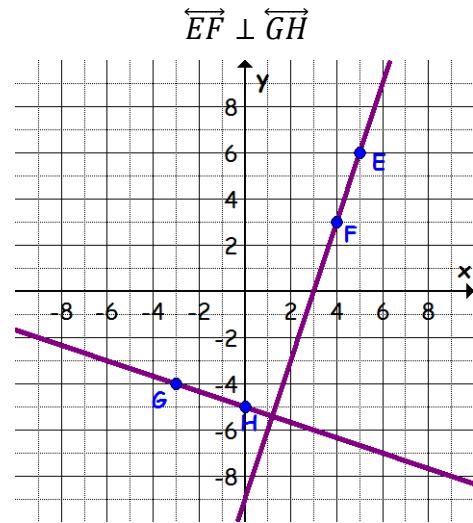
Slope

\overline{AB} :

\overline{CD} :

\overline{EF} :

\overline{GH} :



If two lines are perpendicular, then their slopes are _____.

Complete the table:

Slope of the given line	Slope of a perpendicular line	Slope of a parallel line
$\frac{1}{2}$		
-5		
$-\frac{2}{3}$		
$\frac{5}{4}$		
3		

4. Complete each sentence:

Options: square, rhombus, rectangle, parallelogram, right triangle.

a. _____, _____, _____ and

_____ have two pair of parallel sides.

b. _____ and _____ have two pair of perpendicular sides.

c. _____ and _____ have perpendicular diagonals.

d. _____ have one pair of perpendicular sides.