Slope

Name:_____ Date:_____

Find the slope using ratio method

(-2,-3) and (3,-6)

$\Delta y = y_2 - y_1 =$ -6-(-3) = -3 $\Delta x = x_2 - x_1 =$ 3-(-)2 = 5

Slope= $\frac{\Delta y}{\Delta x}$ $\frac{-3}{5}$

1

(9,-1) and (7,4)

$\Delta y =$ _____

$\Delta x =$ _____

Slope= $\frac{\Delta y}{\Delta x} =$ _____

2

(8,5) and (-4,2)

$\Delta y =$ _____

$\Delta x =$ _____

Slope= $\frac{\Delta y}{\Delta x} =$ _____

3

(6,2) and (-1,0)

$\Delta y =$ _____

$\Delta x =$ _____

Slope= $\frac{\Delta y}{\Delta x} =$ _____

4

(9,-4) and (0,-2)

$\Delta y =$ _____

$\Delta x =$ _____

Slope= $\frac{\Delta y}{\Delta x} =$ _____

5

(8,1) and (0,-3)

$\Delta y =$ _____

$\Delta x =$ _____

Slope= $\frac{\Delta y}{\Delta x} =$ _____

6

(5,-3) and (6,1)

$\Delta y =$ _____

$\Delta x =$ _____

Slope= $\frac{\Delta y}{\Delta x} =$ _____

7

(-1,4) and (-9,3)

$\Delta y =$ _____

$\Delta x =$ _____

Slope= $\frac{\Delta y}{\Delta x} =$ _____

8

(-5,2) and (9,-1)

$\Delta y =$ _____

$\Delta x =$ _____

Slope= $\frac{\Delta y}{\Delta x} =$ _____

Slope

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$\Delta y = y_2 - y_1 =$ -6-(-3) = -3 $\Delta x = x_2 - x_1 =$ 3-(-)2 = 5

Slope= $\frac{\Delta y}{\Delta x}$ $\frac{-3}{5}$

1

(9,-1) and (7,4)

$\Delta y =$ 5

$\Delta x =$ -2

Slope= $\frac{\Delta y}{\Delta x} = -\frac{5}{2}$

2

(8,5) and (-4,2)

$\Delta y =$ -3

$\Delta x =$ -12

Slope= $\frac{\Delta y}{\Delta x} = \frac{1}{4}$

3

(6,2) and (-1,0)

$\Delta y =$ -2

$\Delta x =$ -7

Slope= $\frac{\Delta y}{\Delta x} = \frac{2}{7}$

4

(9,-4) and (0,-2)

$\Delta y =$ 2

$\Delta x =$ -9

Slope= $\frac{\Delta y}{\Delta x} = -\frac{2}{9}$

5

(8,1) and (0,-3)

$\Delta y =$ -4

$\Delta x =$ -8

Slope= $\frac{\Delta y}{\Delta x} = \frac{1}{2}$

6

(5,-3) and (6,1)

$\Delta y =$ 4

$\Delta x =$ 1

Slope= $\frac{\Delta y}{\Delta x} =$ 4

7

(-1,4) and (-9,3)

$\Delta y =$ -1

$\Delta x =$ -8

Slope= $\frac{\Delta y}{\Delta x} = \frac{1}{8}$

8

(-5,2) and (9,-1)

$\Delta y =$ -3

$\Delta x =$ 14

Slope= $\frac{\Delta y}{\Delta x} = -\frac{3}{14}$