

FIND THE GRADIENT USING TWO POINTS

Example:

Find the slope of a line passing through the points (2, 1) and (6, 4).

$$\begin{aligned}\text{Slope} = m &= \frac{y_2 - y_1}{x_2 - x_1} \\ &= \frac{4 - 1}{6 - 2} = \frac{3}{4}\end{aligned}$$

(-8 , -5) and (-7 , -4)

(9 , 8) and (5 , 1)

(7 , 1) and (-2 , -3)

(1 , -5) and (-6 , 4)

(4 , 8) and (3 , -2)

(8 , 2) and (-7 , 3)

(-6 , 1) and (-4 , -5)

(-9 , 2) and (1 , 10)

$(-3, 10)$ and $(0, -2)$

$(2, 3)$ and $(-8, 0)$

$(6, 3)$ and $(9, 1)$

$(6, -7)$ and $(5, 9)$

$(1, -8)$ and $(6, -2)$

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

$(8, 7)$ and $(-1, 2)$

$(-4, 6)$ and $(-7, -5)$

$(-5, 0)$ and $(-1, -2)$

$(-2, -9)$ and $(6, 4)$

FIND THE MISSING CO-ORDINATE USING THE GIVEN SLOPE :

(6 , 9) and (u , -4)

$$\text{Slope} = \frac{13}{9}$$

$$u =$$

(a , 2) and (5 , -6)

$$\text{Slope} = 8$$

$$a =$$

(2 , n) and (0 , 8)

$$\text{Slope} = -2$$

$$n =$$

(5 , 4) and (10 , c)

$$\text{Slope} = \frac{-2}{5}$$

$$c =$$

(7 , 3) and (t , -7)

$$\text{Slope} = -5$$

$$t =$$

(-4 , -10) and (-2 , p)

$$\text{Slope} = \frac{5}{2}$$

$$p =$$

(-5 , v) and (-8 , 3)

$$\text{Slope} = -1$$

$$v =$$

(d , -8) and (-4 , -12)

$$\text{Slope} = 2$$

$$d =$$

(-6 , 4) and (12 , r)

$$\text{Slope} = \frac{1}{3}$$

$$r =$$

(-2 , -7) and (x , 0)

$$\text{Slope} = \frac{-7}{6}$$

$$x =$$

$(s, 3)$ and $(-4, 1)$

Slope = -3

$s =$

$(4, -2)$ and $(-3, y)$

Slope = 1

$y =$

$(-4, c)$ and $(-6, -6)$

Slope = 4

$c =$

$(3, -1)$ and $(b, 10)$

Slope = $= \frac{-11}{8}$

$b =$