



Write the equation of a line through two points

1

How would you find the slope of segment AB?

Point A : (6,6)

Point B : (9,3)

A

$$\frac{9-6}{3-6}$$

B

$$\frac{3-6}{9-6}$$

2

Find the slope of segment AB

Point A : (3,5)

Point B : (4,2)

A

$$-\frac{1}{3}$$

B

$$-5$$

C

$$1$$

D

$$\frac{3}{2}$$

E

$$-3$$

F

$$-1$$

3

(4, 7) and (6,8)

A

$$0.9$$

B

$$0.5$$

C

$$-1.5$$

D

$$-2.5$$

E

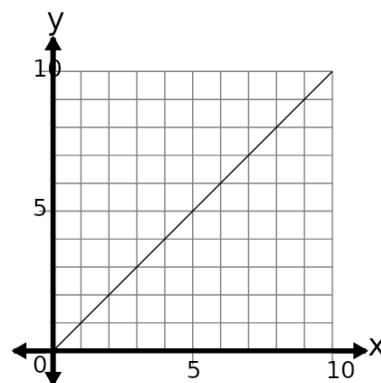
$$2$$

F

$$0.2$$

4

Select the equation that would result in the line shown with a slope of 1



A

$$y = 4x$$

B

$$y = 1x$$

C

$$y = -1$$

5

(3, 1) and (9,9)

A

$$y = \frac{4}{3}x + -\frac{10}{3}$$

B

$$y = \frac{3}{4}x + -\frac{5}{4}$$

C

$$y = \frac{4}{3}x + -3$$

D

$$y = \frac{9}{4}x + -\frac{23}{4}$$

E

$$y = \frac{7}{4}x + -\frac{17}{4}$$

F

$$y = 2x + -5$$

6

(4, 2) and (1,3)

A

$$y = -\frac{1}{3}x + \frac{14}{3}$$

B

$$y = -\frac{1}{3}x + 1$$

C

$$y = -\frac{1}{3}x + \frac{10}{3}$$

D

$$y = -\frac{1}{2}x + 4$$

E

$$y = -\frac{1}{3}x + 4$$

F

$$y = -3x + 14$$

7

(5, 1) and (7,10)

A

$$y = \frac{9}{2}x + -\frac{43}{2}$$

B

$$y = -8x + 41$$

C

$$y = \frac{9}{2}x + \frac{1}{2}$$

D

$$y = \frac{9}{2}x + -10$$

E

$$y = \frac{9}{2}x + -\frac{41}{2}$$

F

$$y = \frac{9}{2}x + -\frac{25}{2}$$



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8

(5, 4) and (3, 8)

A $y = -2x + 13$

B $y = -\frac{1}{2}x + \frac{13}{2}$

C $y = -2x + 5$

D $y = -2x + 8$

E $y = -2x + 16$

F $y = -2x + 14$

9

(4, 4) and (10, 5)

A $y = \frac{1}{6}x + \frac{7}{2}$

B $y = 0x + 4$

C $y = \frac{1}{3}x + \frac{8}{3}$

D $y = 6x + -20$

E $y = \frac{1}{6}x + \frac{10}{3}$

F $y = -\frac{1}{5}x + \frac{24}{5}$

10

(6, 9) and (0, 6)

A $y = \frac{5}{7}x + \frac{33}{7}$

B $y = \frac{1}{8}x + \frac{33}{4}$

C $y = 2x + -3$

D $y = \frac{1}{2}x + 6$

E $y = \frac{1}{2}x + \frac{13}{2}$

F $y = \frac{1}{3}x + 7$

11

(6, 8) and (7, 10)

A $y = 2x + -9$

B $y = 2x + -2$

C $y = 2x + -4$

D $y = \frac{1}{2}x + 5$

E $y = 2x + -10$

F $y = -1x + 14$

12

(1, 9) and (5, 6)

A $y = -\frac{3}{4}x + \frac{39}{4}$

B $y = -1x + 10$

C $y = -4x + 13$

D $y = -\frac{4}{3}x + \frac{31}{3}$

E $y = -3x + 12$

F $y = -\frac{3}{4}x + \frac{31}{4}$