



Coordinate Geometry

- 1 Find the distance between the given (x,y) points

Point A : $(0, -1)$

Point B : $(-1, -1)$

A	0	B	1	C	4
D	3	E	2		

- 3 Find the slope of the line between the two (x, y) points

$(5, 3)$ and $(10, 5)$

A	0.25	B	0.4	C	0.75
D	-0.16	E	0.48	F	0.88

- 4 Find the slope of segment AB

Point A : $(5, 3)$

Point B : $(7, 1)$

A	$-\frac{1}{2}$	B	$-\frac{5}{2}$	C	$-\frac{2}{5}$
D	-3	E	1	F	-1

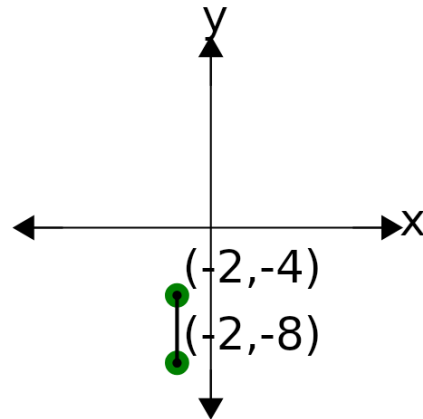
- 6 Is the slope of segment AB equal to -4

Point A : $(5, 5)$

Point B : $(9, 4)$

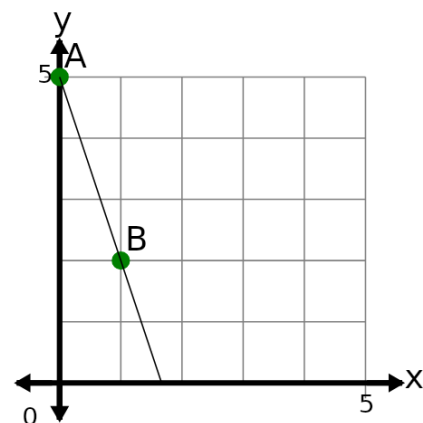
A	No	B	Yes
---	----	---	-----

- 2 Find the length of the line that goes between the two coordinates



A	9	B	11	C	6
D	4	E	13	F	8

- 5 Find the slope of the line between Point A and Point B

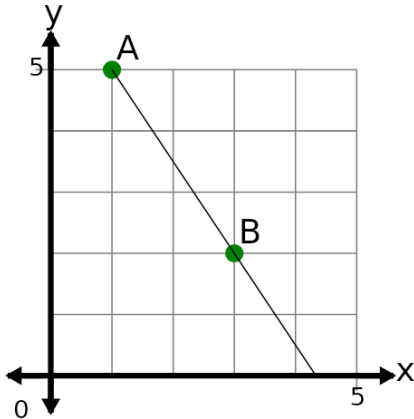


A	2.4	B	0.75	C	-3
D	3	E	-2.4	F	0.6



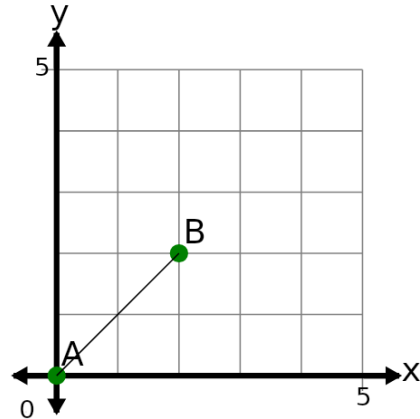
Coordinate Geometry

- 7 Find the slope of the line between Point A and Point B



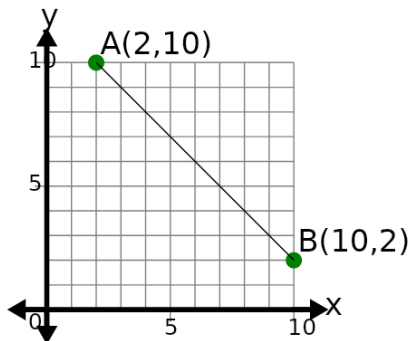
A 0	B 1.75	C -0.5
D 0.5	E -1.5	F -2.1

- 8 Find the slope of the line between Point A and Point B



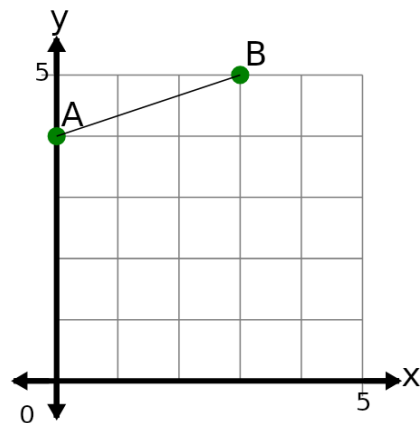
A 0.6	B 2.2	C 0.5
D 0.2	E -0.2	F 1

- 9 Find the slope of segment AB



A $-\frac{8}{5}$	B $-\frac{8}{11}$
C -2	D $-\frac{4}{5}$
E -1	F $-\frac{2}{3}$

- 10 Find the slope of the line between Point A and Point B

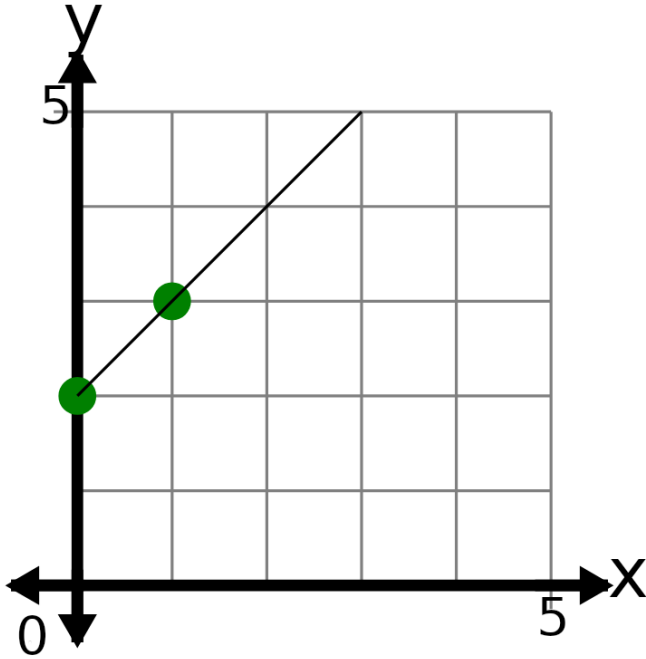


A 0.87	B 3	C 0.93
D -0.2	E -0.27	F 0.33



Coordinate Geometry

11 What slope does the line on this graph have?



A

$$m = -1$$

B

$$m = \frac{1}{2}$$

C

$$m = 1$$

12 What slope would this line of X, Y values have?

X	Y
0	2
1	5
2	8
3	11
4	14

A

$$m = \frac{3}{2}$$

B

$$m = \frac{1}{3}$$

C

$$m = 3$$

D

$$m = -3$$

13 Find the other endpoint B of segment AB given endpoint A and the midpoint

Endpoint A : (6, 7)

Midpoint of AB : (8, 5)

A

(2, -2)

B

(13, 3)

C

(10, 3)

D

(16, 3)

E

(15, 1)

F

(10, 1)

14 Point A is (6, 10) and the midpoint of segment AB is (6, 9). Is point B equal to (6, 10)

Endpoint A : (6, 10)

Midpoint of AB : (6, 9)

A

Yes

B

No



Coordinate Geometry

15 Find the mid-point of segment AB

Point A : (4, 9)

Point B : (6, 5)

A (5, 7)

B (4, 3.5)

C (5, 5.5)

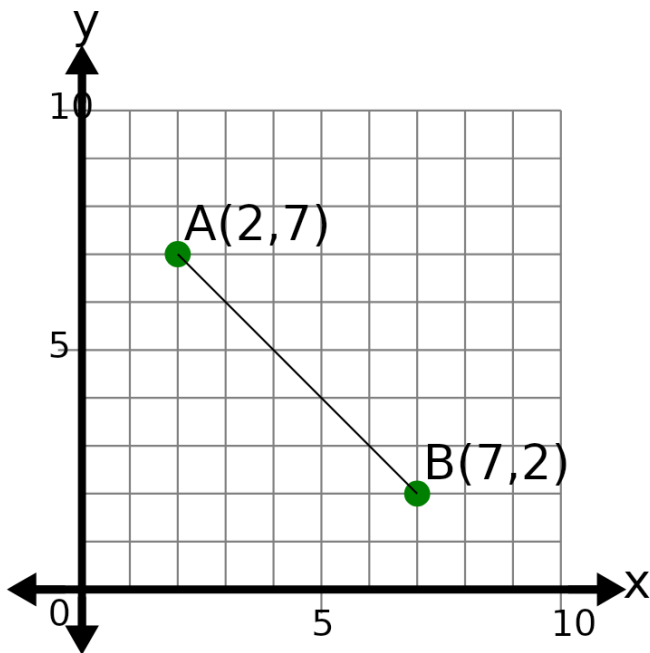
16 What line equation in standard form would have a slope that is PARALLEL to the slope of this line equation?

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

A $-0.38x + 3y = 9$

B $-0.25x + 1y = 3$

17 Find the mid-point of segment AB

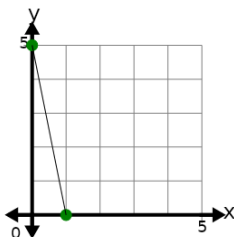


A (4.5, 4.5)

B (4.5, 2)

C (5, 2.5)

18 What line equation in standard form would have a slope that is PARALLEL to the slope of the line on this graph?



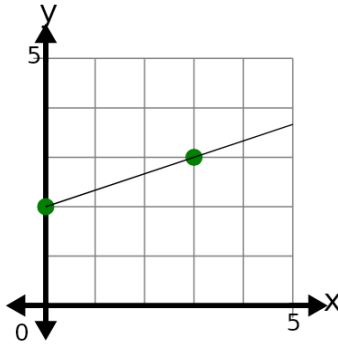
A $0.4x + 2y = 10$

B $5x + 1y = 5$

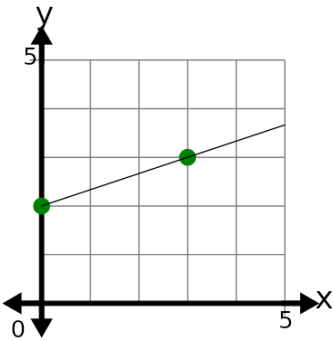


Coordinate Geometry

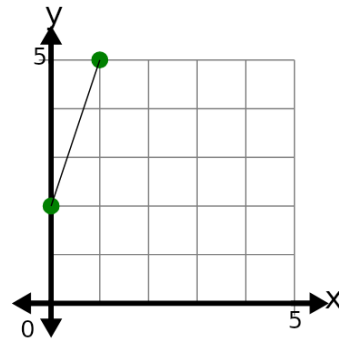
19 What line has a slope that is PARALLEL to the slope of the line on this graph?



A



B



20 What line equation in standard form would have a slope that is PARALLEL to the slope of this line equation?

$$-10x + 2y = 6$$

A

$$-5x + 2y = 6$$

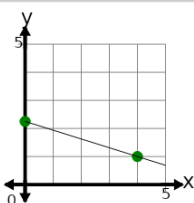
B

$$-10x + 2y = 6$$

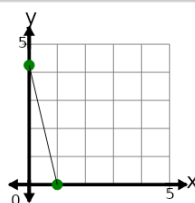
22 What line has this slope?

$$m = -0.25$$

A



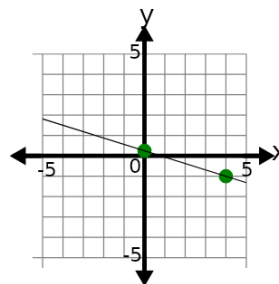
B



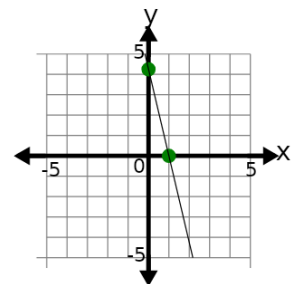
21 What line has a slope that is PARALLEL to the slope of this line equation?

$$0.75x + 3y = 0.75$$

A



B





Coordinate Geometry

23 Find the slope of the line between the two (x, y) points

(5, 3) and (9, 6)

A 2.5	B 1.33	C 1.8
D 0.6	E 0.75	F 1.25

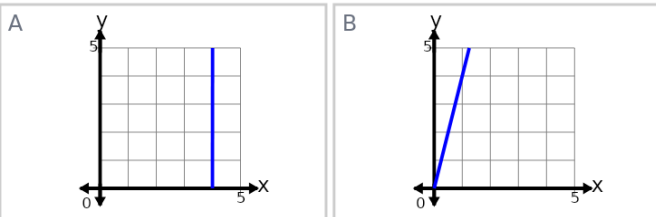
24 What slope would this line of X, Y values have?

X	Y
2	0
2	1
2	2
2	3

A $m=0$	B $m=2$
C $m=\infty$	D $m=1/2$

25 Which line on the graph has this slope?

$m = \infty$



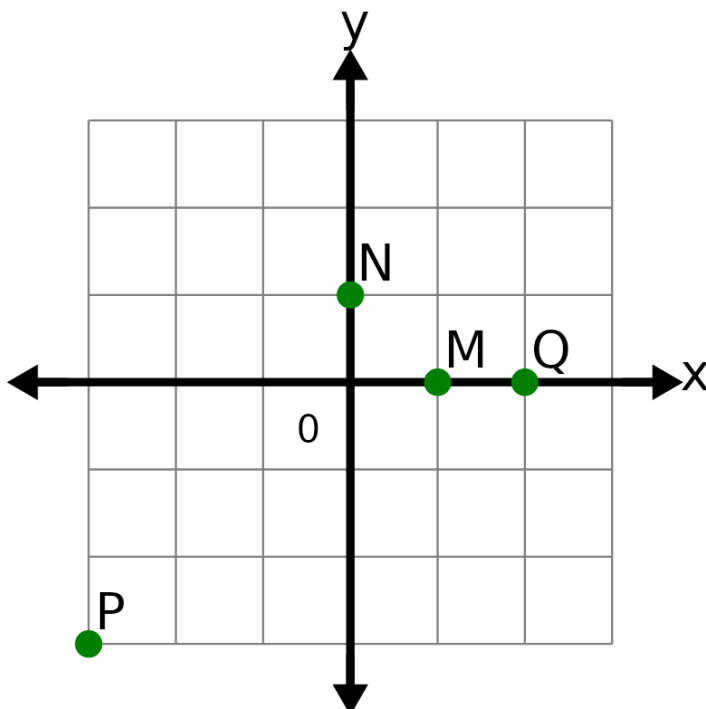
26 Find the distance between the given (x,y) points

Point A : (5, -3)

Point B : (4, 0)

A 1.48	B 4	C 2.83
D 4.84	E 3.16	F 1.04

27 Which point has coordinates of X = 0 and Y = 1?

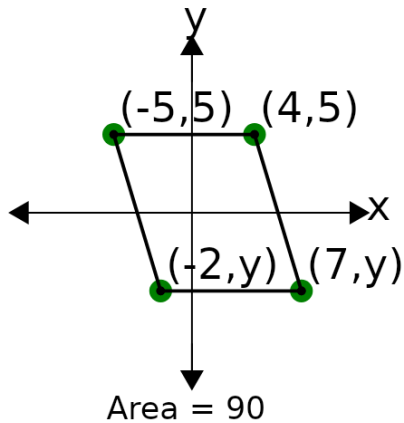


A P
B N
C M
D Q



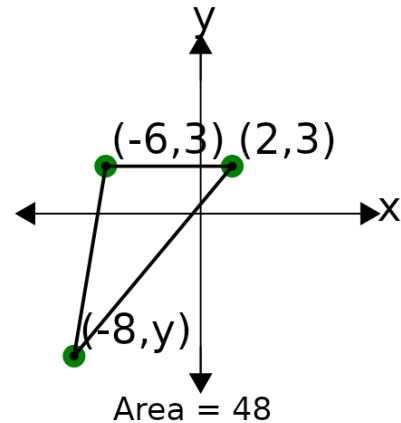
Coordinate Geometry

- 28** Find the missing value for y if the parallelogram has an area of 90



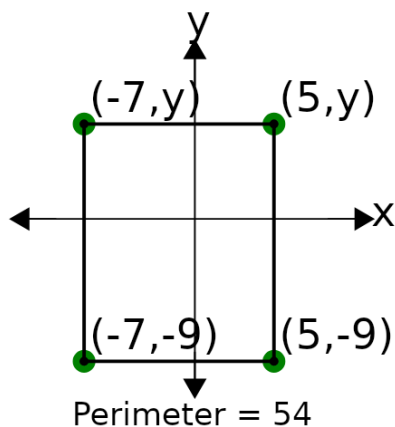
A	0	B	1	C	-5
D	-7	E	-3	F	-12

- 29** Find the missing value for y if the triangle has an area of 48



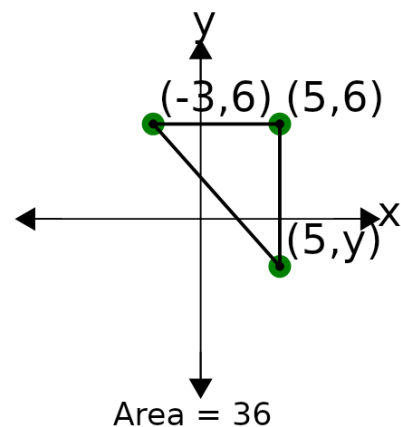
A	-12	B	-10	C	-9
D	-14	E	-13	F	0

- 30** Find the missing value for y if the rectangle has a perimeter of 54



A	6	B	12	C	-1
D	0	E	13	F	11

- 31** Find the missing value for y if the triangle has an area of 36

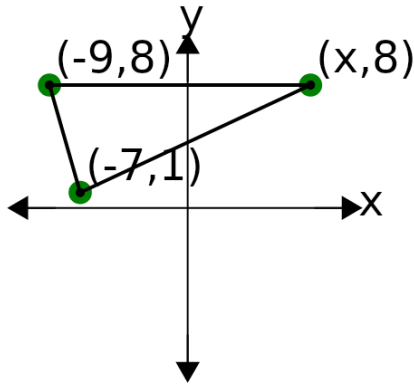


A	-13	B	-7	C	-5
D	-3	E	4	F	-9



Coordinate Geometry

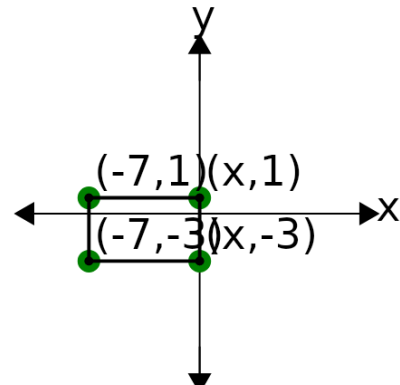
- 32** Find the missing value for x if the triangle has an area of 59.5



Area = 59.5

A	3	B	6	C	-1
D	8	E	1	F	10

- 33** Find the missing value for x if the rectangle has an area of 28



Area = 28

A	9	B	0	C	3
D	-3	E	-8	F	-2

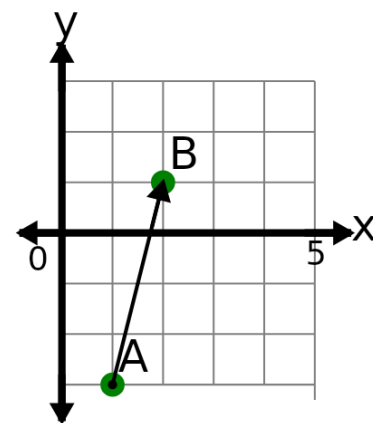
- 34** Find the equation for the perpendicular bisector of segment AB

Point A : (6, 1)

Point B : (10, 9)

A	$y = -\frac{1}{2}x + \frac{21}{2}$
B	$y = -2x + 21$
C	$y = -\frac{1}{2}x + 10$
D	$y = -\frac{1}{2}x + 9$

- 35** Find the distance between point A and point B on the diagram

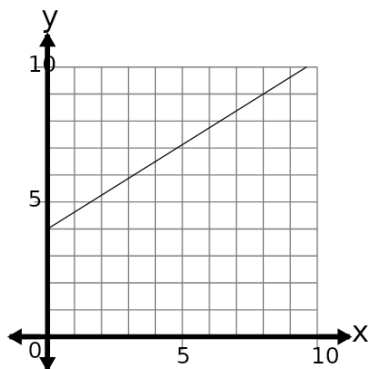


A	4	B	4.96	C	1
D	3.28	E	4.12	F	7.48



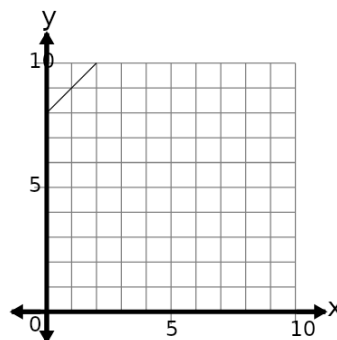
Coordinate Geometry

- 36** Select the equation that would result in the line on the graph as shown



- | | |
|---------------------|---------------------|
| A $y = -4x - 0.62$ | B $y = 0.62x + 4$ |
| C $y = 1.62x + 5.5$ | D $y = 1.12x + 5.5$ |
| E $y = 0.12x + 5.5$ | |

- 37** Select the equation that would result in the line shown with a y-intercept of 8 and a slope of 1



- | | |
|-----------------|-----------------|
| A $y = -8x - 1$ | B $y = 3x + 11$ |
| C $y = 5x + 11$ | D $y = 1x + 8$ |
| E $y = 1x + 11$ | |

- 38** What line equation would create this set of X, Y values?

X	Y
0	4
1	0
2	-4
3	-8
4	-12

- | |
|---------------------------|
| A $y = -\frac{4}{2}x + 4$ |
| B $y = 4x + 4$ |
| C $y = -4x + 4$ |
| D $y = -\frac{1}{4}x + 4$ |

- 39** Find the equation of the line through the two (x, y) points in slope/y-intercept form ($y = mx + b$)

(3, 4) and (4, 8)

- | | |
|------------------|------------------|
| A $y = 4x + -3$ | B $y = 4x + -8$ |
| C $y = 2x + -2$ | D $y = 4x + -13$ |
| E $y = 4x + -15$ | F $y = 4x + -14$ |