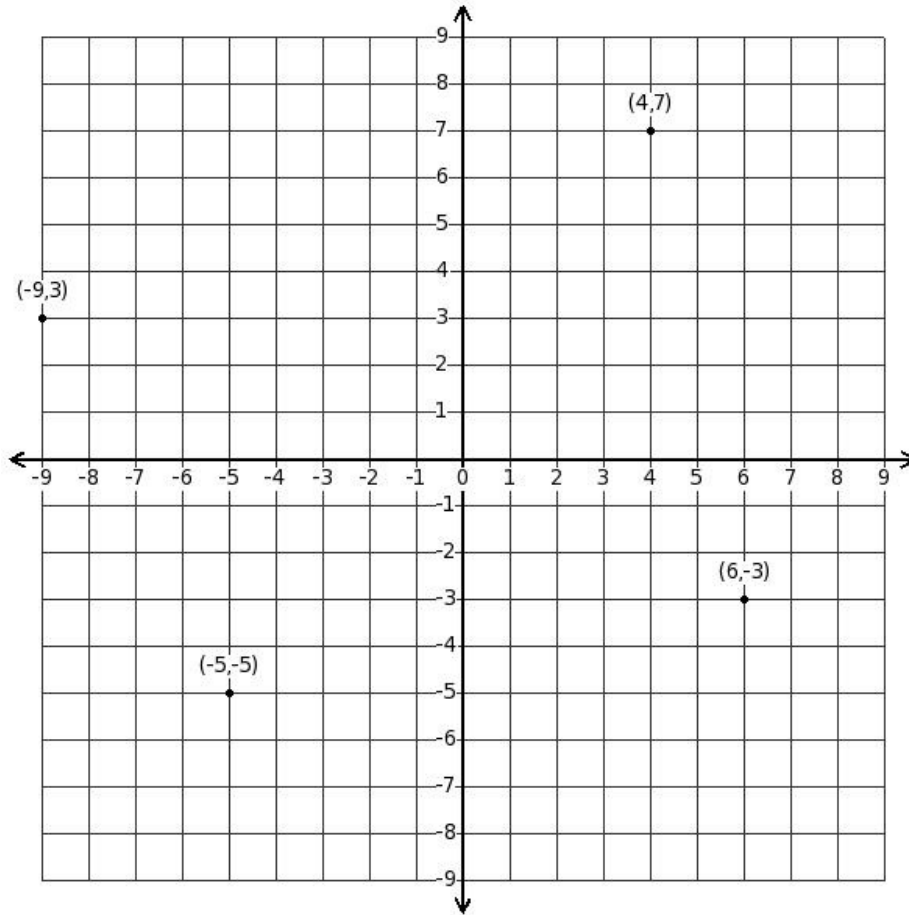




1. Identify the point belonging to the second quadrant

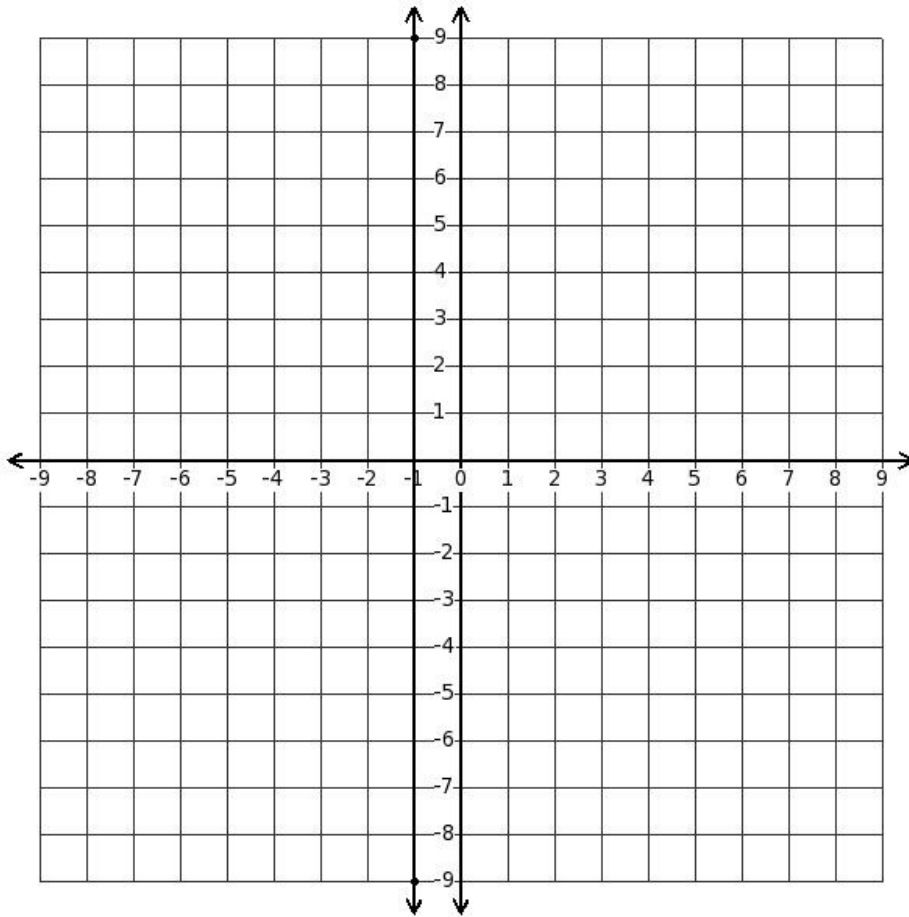


- (i) (4, 7) (ii) (6, -3) (iii) ((-9), 3) (iv) ((-5), (-5))

2. The y-coordinate of a point is also called as

- (i) ordinate (ii) y-axis (iii) origin (iv) x-axis (v) abscissa

3. Find the equation of the displayed line

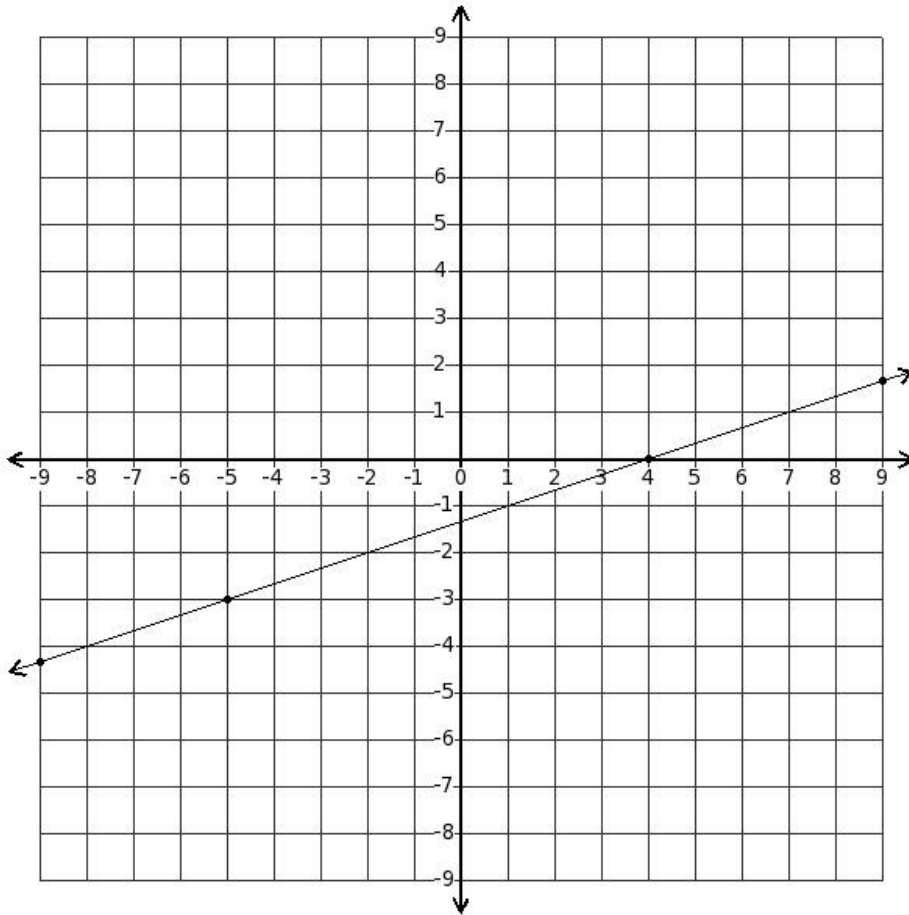


- (i) $x = (-2)$ (ii) $x = (-1)$ (iii) $y = (-1)$ (iv) $x = 0$ (v) $4x = (-1)$

4. Distance of the point (3,8) from x-axis is

- (i) 5 (ii) 3 (iii) 11 (iv) 8 (v) (-5)

5. Find the equation of the line passing through the points $(4,0)$ and $(-5,-3)$



(i) $(-x+3y+5)=0$ (ii) $(-3x+9y+12)=0$ (iii) $(-2x+9y+12)=0$ (iv) $(-x+3y+1)=0$

(v) $(-4x+9y+12)=0$

6. The equation of the x-axis is

a) $x=1$

b) $x=y$

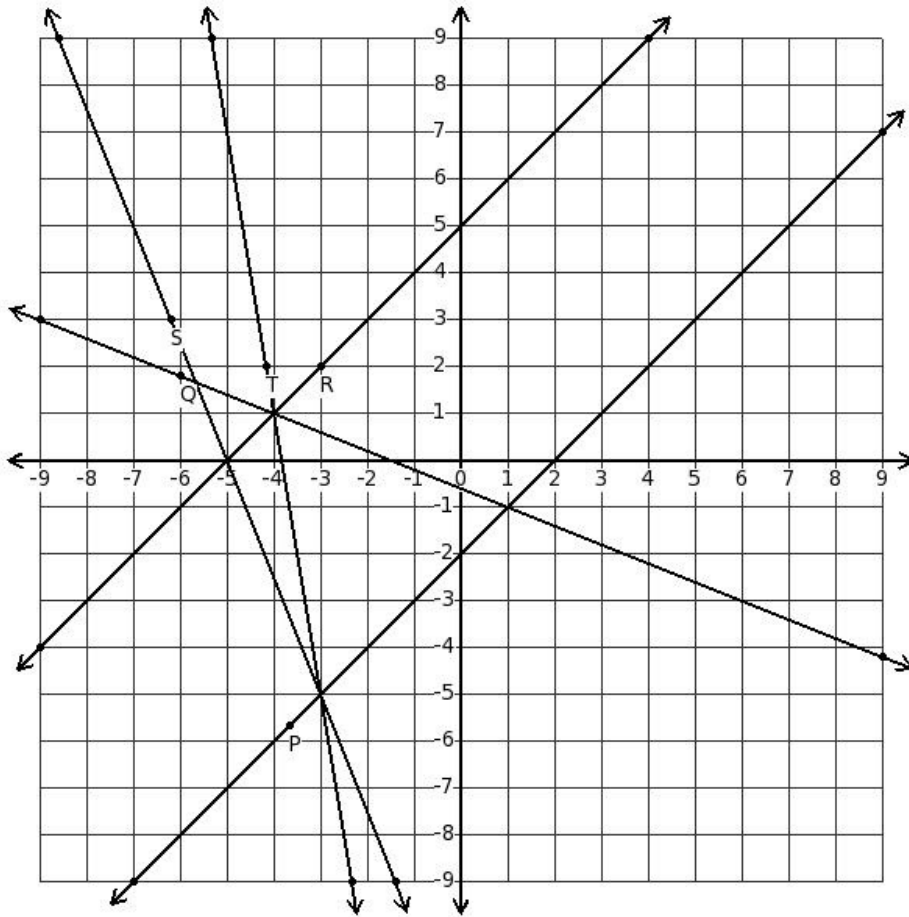
c) $y=1$

d) $x=0$

e) $y=0$

(i) $\{a,e\}$ (ii) $\{c,d,e\}$ (iii) $\{e\}$ (iv) $\{b,e\}$

7. Which of the displayed lines represent the equation $(4x - 4y - 8) = 0$?



- (i) line with point S (ii) line with point P (iii) line with point T (iv) line with point Q (v) line with point R

8. The equation of y-axis is

- (i) $y = 1$ (ii) $x = 0$ (iii) $y = x$ (iv) $y = 0$ (v) $x = 1$

9. The coordinates of the origin are

- (i) (0,0) (ii) (1,1) (iii) (1,0) (iv) (5,0) (v) (0,3)

10. Distance of the point (9,9) from y-axis is

- (i) 0 (ii) 9 (iii) 18

11. Find the set of points satisfying the equation $(-14x - 9y - 2) = 0$

(i) $((-2), \frac{26}{9}), ((-1), \frac{4}{3}), ((-2), (-\frac{20}{9})), (1, (-\frac{16}{9})), (2, (-\frac{10}{3}))$

(ii) $((-2), \frac{26}{9}), ((-1), \frac{4}{3}), (1, (-\frac{11}{9})), (1, (-\frac{16}{9})), (2, (-\frac{10}{3}))$

(iii) $((-2), \frac{26}{9}), ((-1), \frac{4}{3}), (0, (-\frac{2}{9})), (0, (-\frac{7}{9})), (2, (-\frac{10}{3}))$

(iv) $((-2), \frac{26}{9}), ((-1), \frac{4}{3}), (0, (-\frac{2}{9})), (1, (-\frac{16}{9})), (4, (-\frac{4}{3}))$

(v) $((-2), \frac{26}{9}), ((-1), \frac{4}{3}), (0, (-\frac{2}{9})), (1, (-\frac{16}{9})), (2, (-\frac{10}{3}))$

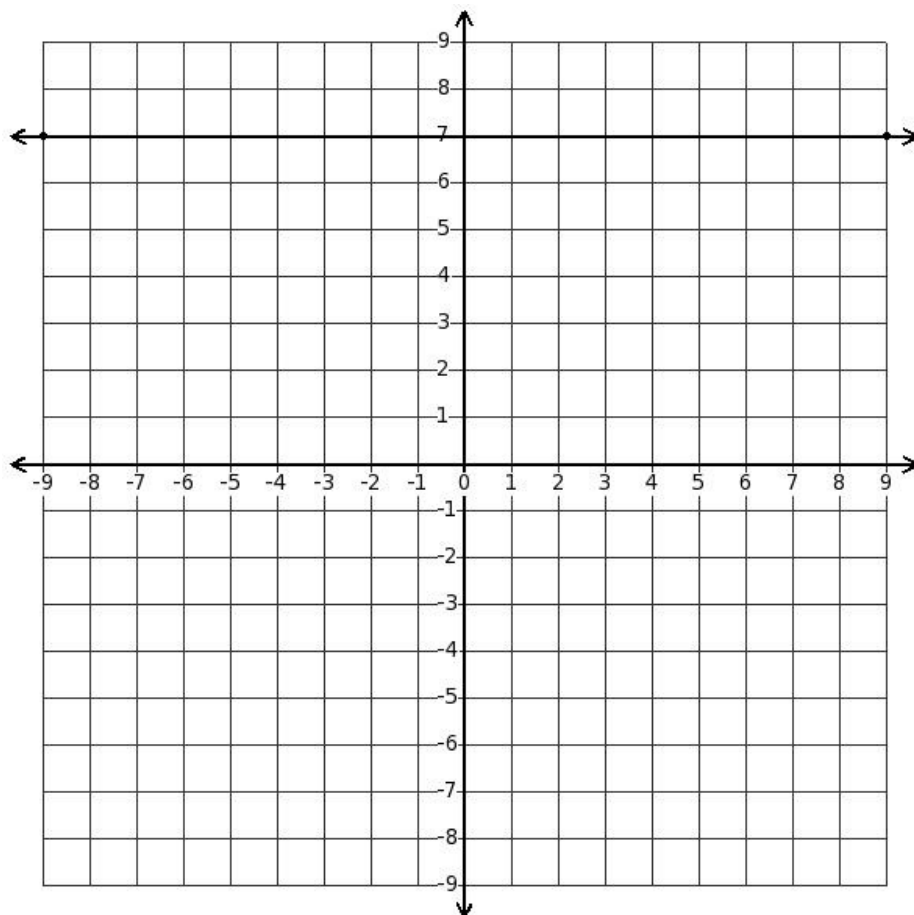
12. Which of the following equations satisfy the given points $((-2), \frac{30}{7}), ((-1), \frac{18}{7}), (0, \frac{6}{7}), (1, (-\frac{6}{7})), (2, (-\frac{18}{7}))$?

- (i) $y = (-1)$ (ii) $x = (\frac{10}{11}y + \frac{76}{11})$ (iii) $x = 6$ (iv) $y = (-\frac{10}{11}x + \frac{49}{11})$ (v) $(12x + 7y - 6) = 0$

13. The point $((-4), (-3))$ lies in

- (i) first quadrant (ii) fourth quadrant (iii) second quadrant (iv) third quadrant

14. Find the equation of the displayed line



- (i) $4y = 7$ (ii) $y = 8$ (iii) $y = 6$ (iv) $y = 7$ (v) $x = 7$

15. A point lies on positive side of y-axis at a distance of 9 units from x-axis. What are the coordinates of the point?

- (i) $(0, (-9))$ (ii) $((-9), 0)$ (iii) $(0, 9)$ (iv) $(9, 0)$

16. Find the set of points satisfying the equation $x = (-\frac{1}{2}y - \frac{11}{2})$

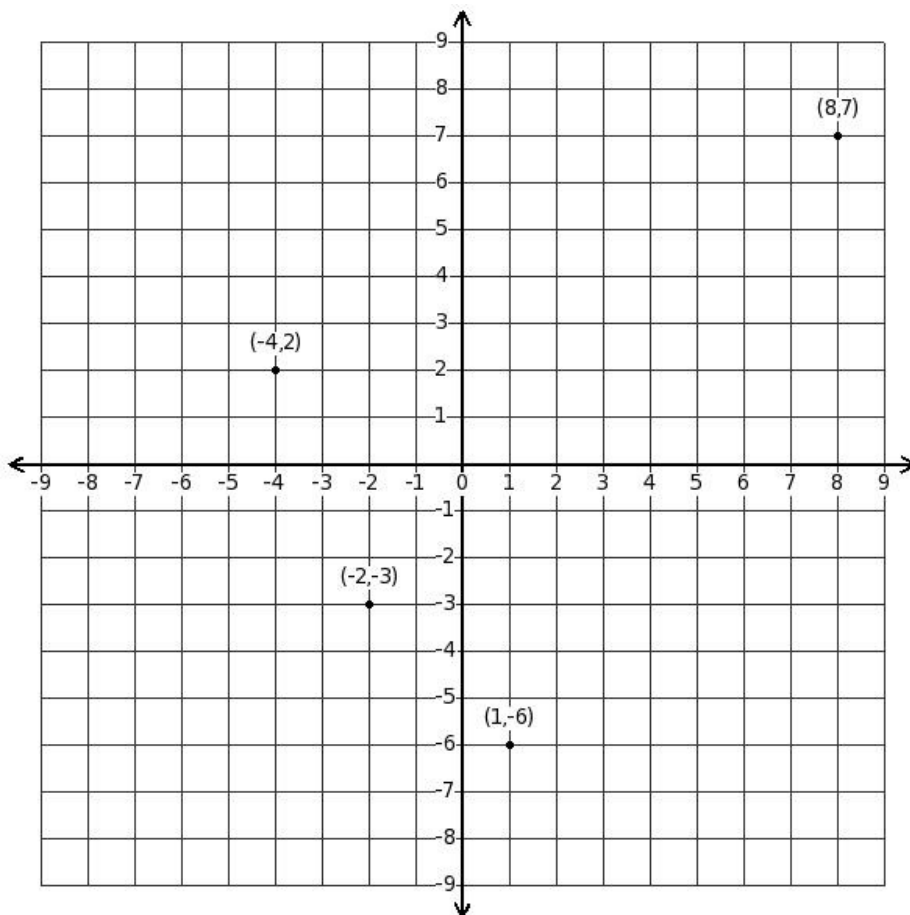
- (i) $((-2), (-7)), ((-1), (-9)), (0, (-11)), (1, (-13)), (2, (-15))$
 (ii) $((-2), (-7)), ((-1), (-9)), ((-2), (-13)), (1, (-13)), (2, (-15))$
 (iii) $((-2), (-7)), ((-1), (-9)), (0, (-11)), (1, (-13)), (4, (-13))$
 (iv) $((-2), (-7)), ((-1), (-9)), (1, (-12)), (1, (-13)), (2, (-15))$
 (v) $((-2), (-7)), ((-1), (-9)), (0, (-11)), (0, (-12)), (2, (-15))$

17. The coordinates of a point which is 3 units away from x-axis and 4 units away from y-axis in the first quadrant is

- (i) $(4, 3)$ (ii) $(3, 4)$ (iii) $((-4), (-3))$ (iv) $((-4), 3)$ (v) $(4, (-3))$

18. The coordinates of a point which is 1 unit away from x-axis and 7 units away from y-axis in the second quadrant is
 (i) $(-7,(-1))$ (ii) $(7,(-1))$ (iii) $(-7,1)$ (iv) $(7,1)$ (v) $(1,(-7))$
19. If point $P(x,y)$ lies in the third quadrant, then
 (i) x is negative and y is negative (ii) x is positive and y is negative (iii) x is positive and y is positive
 (iv) x is negative and y is positive
20. The equation of the line passing through the origin and having a slope $m \neq 0$ is
 (i) $y=0$ (ii) $y=mx+c$ (iii) $x=0$ (iv) $y=mx$ (v) $x=my+c$
21. If point $P(x,y)$ lies in the second quadrant, then
 (i) x is positive and y is negative (ii) x is negative and y is positive (iii) x is negative and y is negative
 (iv) x is positive and y is positive
22. Which of the following are true?
 a) Equation of the line passing through origin is $y = mx + 6$
 b) Equation of the line passing through origin is $y=mx+c$
 c) Equation of the line passing through origin is $y=mx$
 d) Equation of the line passing through origin is $y = x$
 (i) $\{a,b,c\}$ (ii) $\{b,d\}$ (iii) $\{c,d\}$ (iv) $\{a,c\}$ (v) $\{a,d,c\}$

23. Identify the point belonging to the fourth quadrant



- (i) $(8,7)$ (ii) $(-4,2)$ (iii) $(1,-6)$ (iv) $(-2,-3)$

24. Find the set of points satisfying the equation $(15x + 32y - 12) = 0$

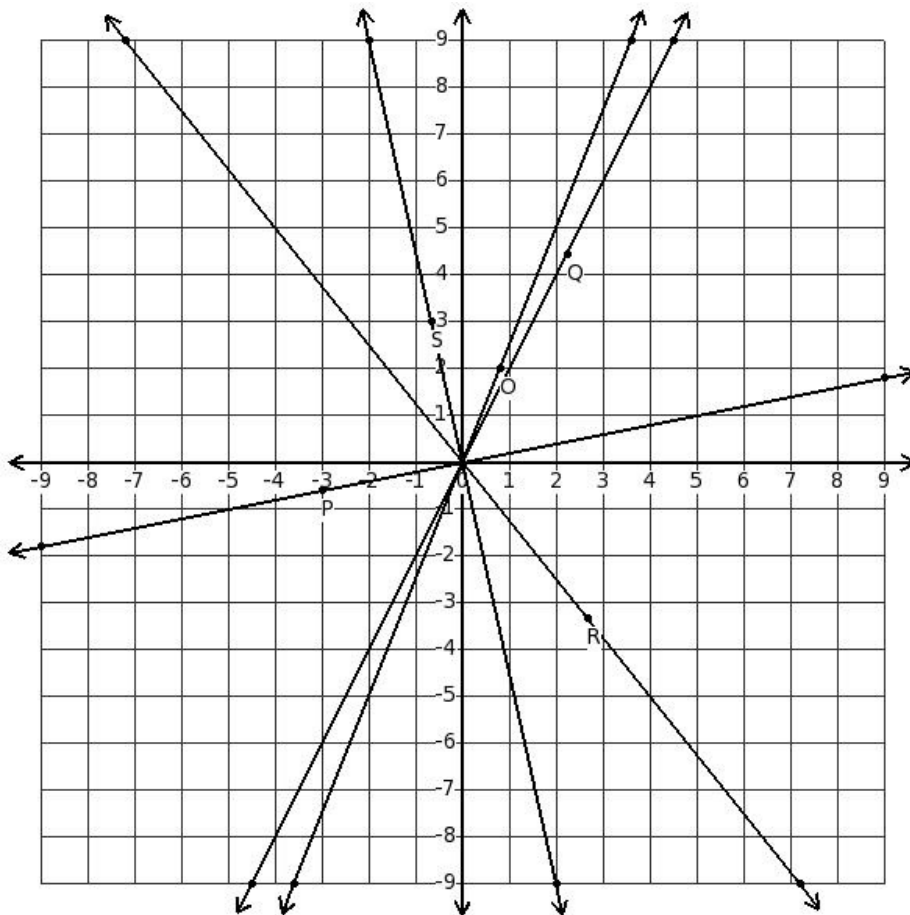
(i) $((-2), \frac{21}{16}), ((-1), \frac{27}{32}), (0, \frac{3}{8}), (1, (-\frac{3}{32})), (2, (-\frac{9}{16}))$

(ii) $((-2), \frac{21}{16}), ((-1), \frac{27}{32}), ((-2), (-\frac{13}{8})), (1, (-\frac{3}{32})), (2, (-\frac{9}{16}))$

(iii) $((-2), \frac{21}{16}), ((-1), \frac{27}{32}), (1, (-\frac{5}{8})), (1, (-\frac{3}{32})), (2, (-\frac{9}{16}))$

(iv) $((-2), \frac{21}{16}), ((-1), \frac{27}{32}), (0, \frac{3}{8}), (1, (-\frac{3}{32})), (4, \frac{23}{16})$ (v) $((-2), \frac{21}{16}), ((-1), \frac{27}{32}), (0, \frac{3}{8}), (0, \frac{29}{32}), (2, (-\frac{9}{16}))$

25. Which of the displayed lines represent the equation $y = \frac{5}{2}x$



(i) line with point R (ii) line with point S (iii) line with point O (iv) line with point P (v) line with point Q

Assignment Key

1) (iii)	2) (i)	3) (ii)	4) (iv)	5) (ii)	6) (iii)
7) (ii)	8) (ii)	9) (i)	10) (ii)	11) (v)	12) (v)
13) (iv)	14) (iv)	15) (iii)	16) (i)	17) (i)	18) (iii)
19) (i)	20) (iv)	21) (ii)	22) (iii)	23) (iii)	24) (i)
25) (iii)					