EduSahara™ Assignment

Name : Graphical Representation of Linear Polynomial

Chapter : Polynomials

Grade : SSC Grade X

1. Find the set of points satisfying the equation $(-11x-7y-30)=0$

(i) $((-2),(-\frac{8}{7})),((-1),(-\frac{19}{7})),(0,(-\frac{30}{7})),(1,(-\frac{41}{7})),(2,(-\frac{52}{7}))$

(ii) $((-2),(-\frac{8}{7})),((-1),(-\frac{19}{7})),(0,(-\frac{30}{7})),(0,(-\frac{34}{7})),(2,(-\frac{52}{7}))$

(iii) $((-2),(-\frac{8}{7})),((-1),(-\frac{19}{7})),(0,(-\frac{30}{7})),(1,(-\frac{41}{7})),(4,(-\frac{38}{7}))$

(iv) $((-2),(-\frac{8}{7})),((-1),(-\frac{19}{7})),(1,(-\frac{37}{7})),(1,(-\frac{41}{7})),(2,(-\frac{52}{7}))$

(v) $((-2),(-\frac{8}{7})),((-1),(-\frac{19}{7})),((-2),(-\frac{44}{7})),(1,(-\frac{41}{7})),(2,(-\frac{52}{7}))$

2. Find the set of points satisfying the equation $y=(\frac{5}{2}x+\frac{9}{2})$

(i) $((-2),(-\frac{1}{2})),((-1),2),(1,\frac{7}{2}),(1,7),(2,\frac{19}{2})$ (ii) $((-2),(-\frac{1}{2})),((-1),2),(0,\frac{9}{2}),(0,8),(2,\frac{19}{2})$

(iii) $((-2),(-\frac{1}{2})),((-1),2),(0,\frac{9}{2}),(1,7),(4,\frac{23}{2})$ (iv) $((-2),(-\frac{1}{2})),((-1),2),(0,\frac{9}{2}),(1,7),(2,\frac{19}{2})$

(v) $((-2),(-\frac{1}{2})),((-1),2),((-2),\frac{5}{2}),(1,7),(2,\frac{19}{2})$

3. Find the set of points satisfying the equation $y=(-2x)$

(i) $((-2),4),((-1),2),((-2),(-2)),(1,(-2)),(2,(-4))$ (ii) $((-2),4),((-1),2),(0,0),(1,(-2)),(4,(-2))$

(iii) $((-2),4),((-1),2),(0,0),(1,(-2)),(2,(-4))$ (iv) $((-2),4),((-1),2),(1,(-1)),(1,(-2)),(2,(-4))$

(v) $((-2),4),((-1),2),(0,0),(0,(-1)),(2,(-4))$

4. Find the set of points satisfying the equation $(9x+4y-3)=0$

(i) $((-2),\frac{21}{4}),((-1),3),(0,\frac{3}{4}),(0,(-\frac{1}{2})),(2,(-\frac{15}{4}))$ (ii) $((-2),\frac{21}{4}),((-1),3),(1,(-\frac{1}{4})),(1,(-\frac{3}{2})),(2,(-\frac{15}{4}))$

(iii) $((-2),\frac{21}{4}),((-1),3),(0,\frac{3}{4}),(1,(-\frac{3}{2})),(4,(-\frac{7}{4}))$ (iv) $((-2),\frac{21}{4}),((-1),3),(0,\frac{3}{4}),(1,(-\frac{3}{2})),(2,(-\frac{15}{4}))$

(v) $((-2),\frac{21}{4}),((-1),3),((-2),(-\frac{5}{4})),(1,(-\frac{3}{2})),(2,(-\frac{15}{4}))$

5. Find the set of points satisfying the equation $y=(-5)$

(i) $((-2),(-5)),((-1),(-5)),(0,(-5)),(1,(-5)),(4,(-3))$

(ii) $((-2),(-5)),((-1),(-5)),((-2),(-7)),(1,(-5)),(2,(-5))$

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

(iv) $((-2),(-5)),((-1),(-5)),(0,(-5)),(0,(-4)),(2,(-5))$

(v) $((-2),(-5)),((-1),(-5)),(1,(-6)),(1,(-5)),(2,(-5))$

6. Find the set of points satisfying the equation $x=(-4)$

(i) $((-4),(-2)),((-4),(-1)),((-4),0),((-4),1),((-2),4)$

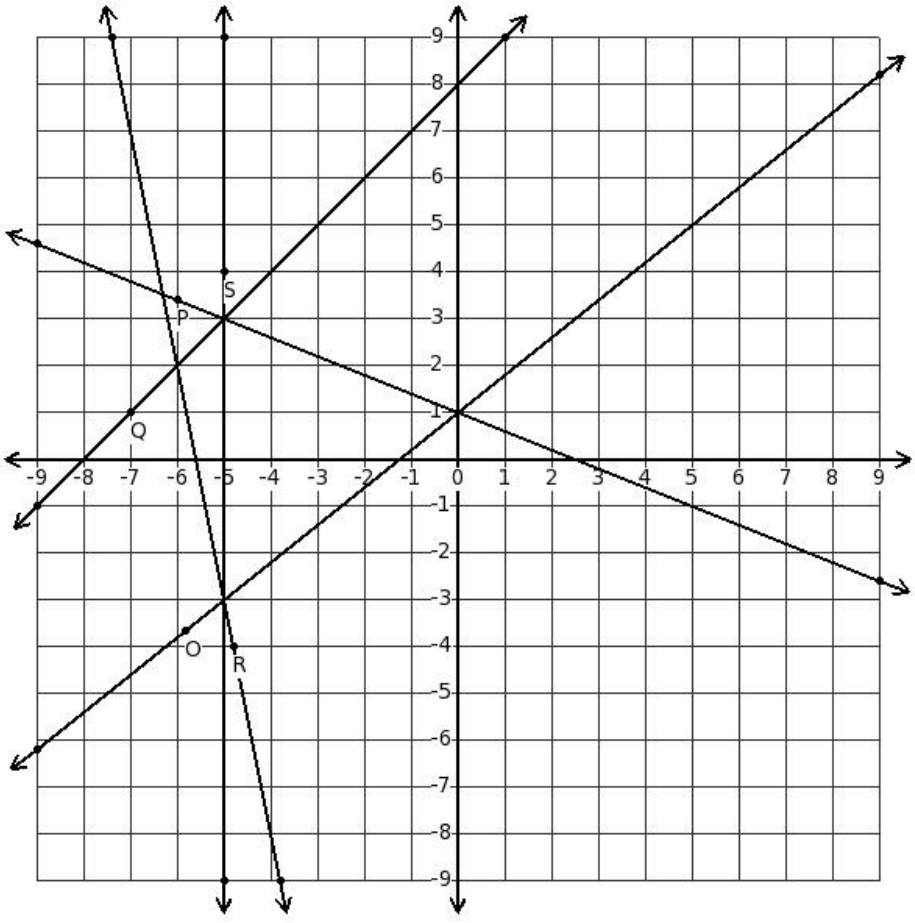
(ii) $((-4),(-2)),((-4),(-1)),((-3),(-1)),((-4),1),((-4),2)$

(iii) $((-4),(-2)),((-4),(-1)),((-4),0),((-4),1),((-4),2)$

(iv) $((-4),(-2)),((-4),(-1)),((-6),(-2)),((-4),1),((-4),2)$

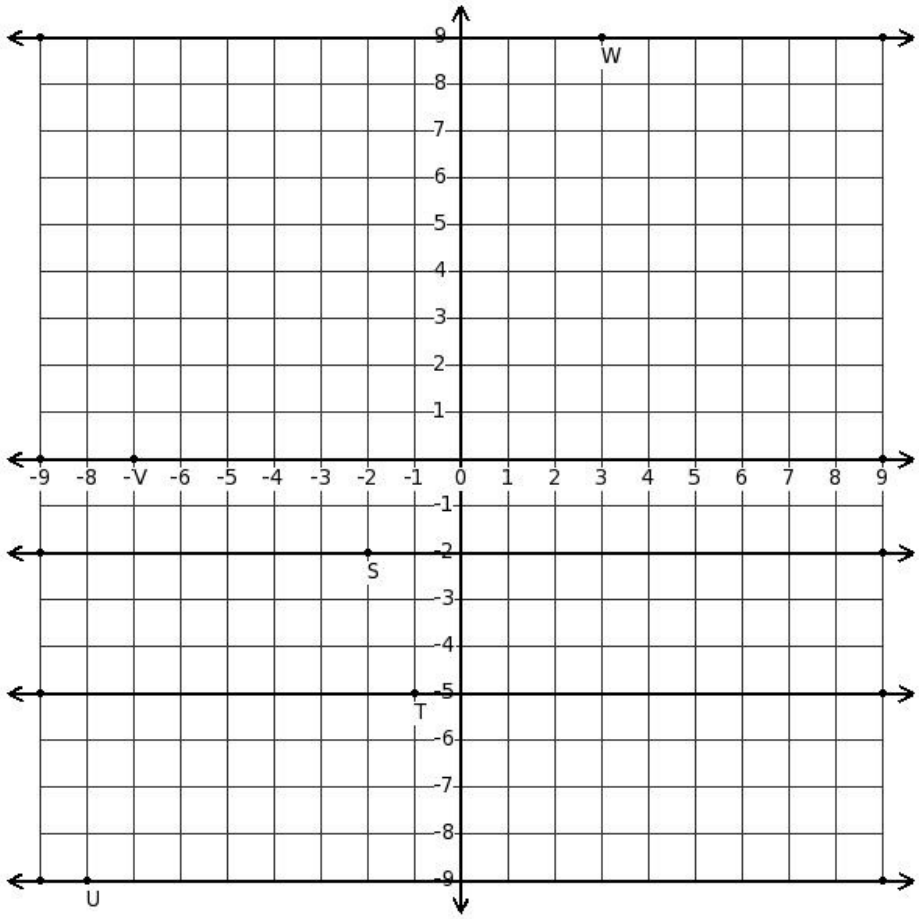
(v) $((-4),(-2)),((-4),(-1)),((-4),0),((-5),2),((-4),2)$

7. Which of the displayed lines represent the equation $(4x-5y+5)=0$?



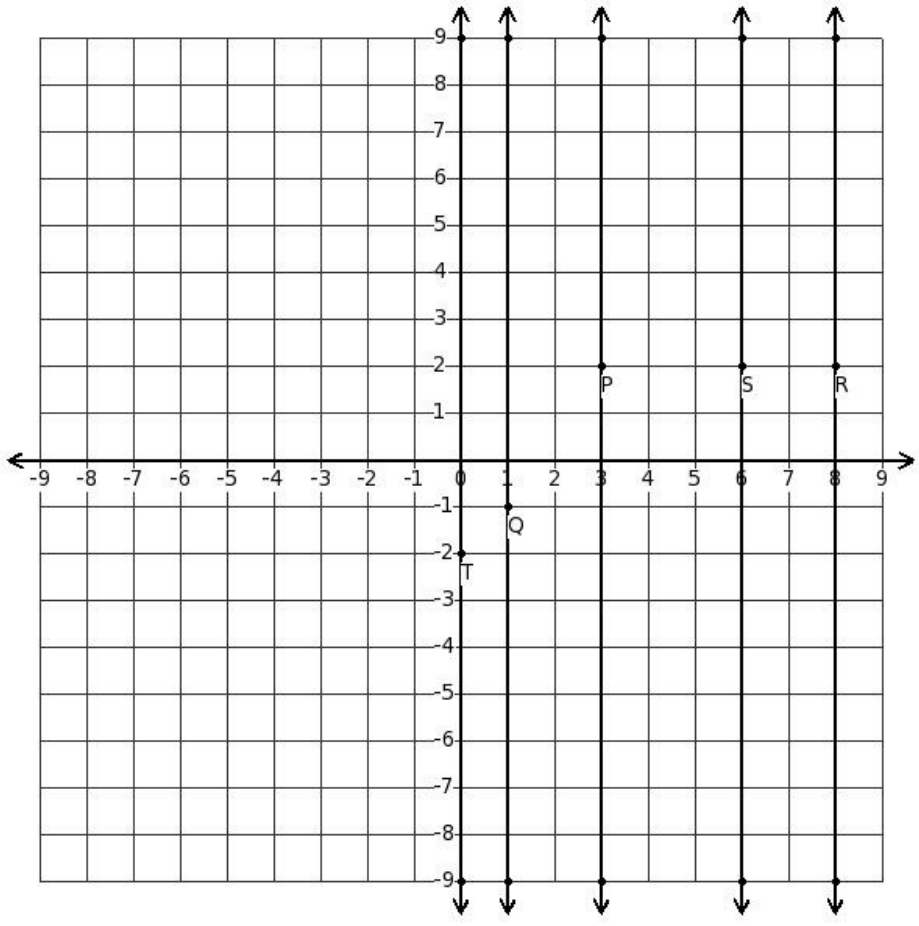
(i) line with point P (ii) line with point S (iii) line with point O (iv) line with point Q (v) line with point R

8. Which of the displayed lines represent the equation $y=(-2)$



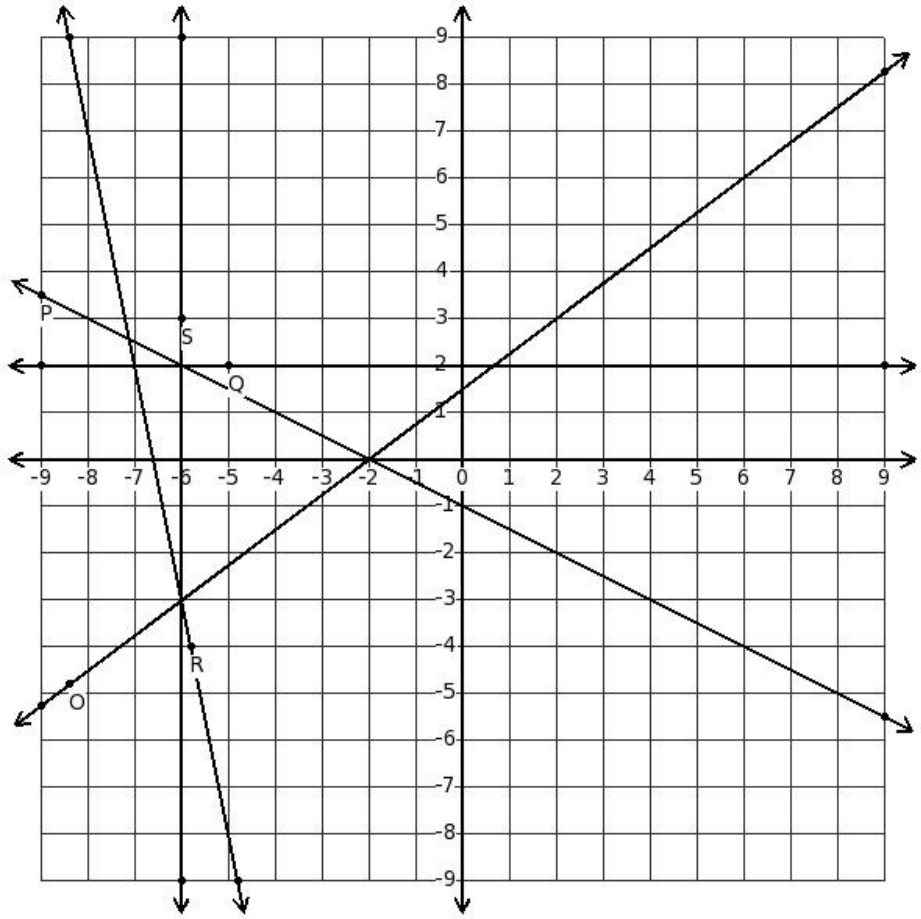
(i) line with point T (ii) line with point V (iii) line with point U (iv) line with point W (v) line with point S

9. Which of the displayed lines represent the equation $x=3$



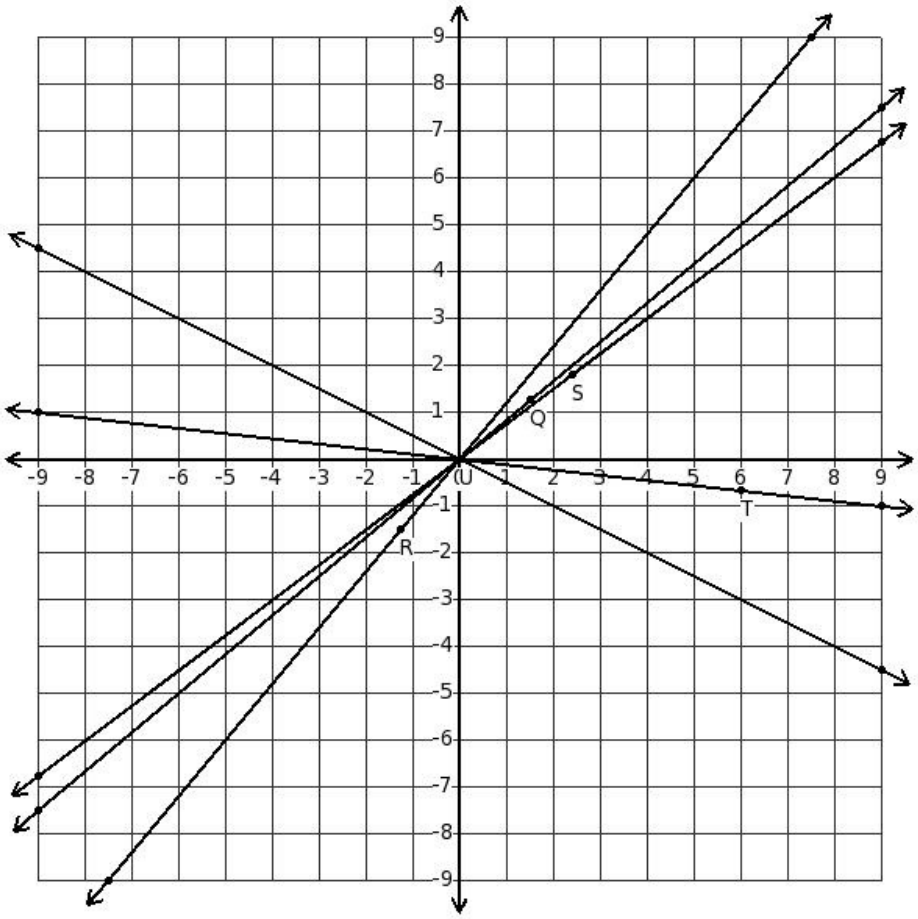
(i) line with point Q (ii) line with point P (iii) line with point T (iv) line with point R (v) line with point S

10. Which of the displayed lines represent the equation $y=(\frac{3}{4}x+\frac{3}{2})$



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

11. Which of the displayed lines represent the equation $y = \frac{5}{6}x$



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

Assignment Key

1) (i)	2) (iv)	3) (iii)	4) (iv)	5) (iii)	6) (iii)
7) (iii)	8) (v)	9) (ii)	10) (ii)	11) (ii)	