EduSahara™ Assignment

Name : Graphical Representation of Linear Polynomial

Chapter : Polynomials

Grade : SSC Grade X

1. Find the set of points satisfying the equation $(-14x-7y+14)=0$

   (i) $((-2),6),((-1),4),((-2),0),(1,0),(2,(-2))$ (ii) $((-2),6),((-1),4),(0,2),(0,1),(2,(-2))$

   (iii) $((-2),6),((-1),4),(0,2),(1,0),(2,(-2))$ (iv) $((-2),6),((-1),4),(1,1),(1,0),(2,(-2))$

   (v) $((-2),6),((-1),4),(0,2),(1,0),(4,0)$

2. Find the set of points satisfying the equation $y=(\frac{3}{2}x-\frac{13}{2})$

   (i) $((-2),(-\frac{19}{2})),((-1),(-8)),(0,(-\frac{13}{2})),(1,(-5)),(4,(-\frac{3}{2}))$

   (ii) $((-2),(-\frac{19}{2})),((-1),(-8)),((-2),(-\frac{17}{2})),(1,(-5)),(2,(-\frac{7}{2}))$

   (iii) $((-2),(-\frac{19}{2})),((-1),(-8)),(0,(-\frac{13}{2})),(0,(-4)),(2,(-\frac{7}{2}))$

   (iv) $((-2),(-\frac{19}{2})),((-1),(-8)),(1,(-\frac{15}{2})),(1,(-5)),(2,(-\frac{7}{2}))$

   (v) $((-2),(-\frac{19}{2})),((-1),(-8)),(0,(-\frac{13}{2})),(1,(-5)),(2,(-\frac{7}{2}))$

3. Find the set of points satisfying the equation $y=(-\frac{13}{2}x)$

   (i) $((-2),13),((-1),\frac{13}{2}),(0,0),(1,(-\frac{13}{2})),(4,(-11))$

   (ii) $((-2),13),((-1),\frac{13}{2}),(1,(-1)),(1,(-\frac{13}{2})),(2,(-13))$

   (iii) $((-2),13),((-1),\frac{13}{2}),(0,0),(1,(-\frac{13}{2})),(2,(-13))$ (iv) $((-2),13),((-1),\frac{13}{2}),(0,0),(0,(-\frac{11}{2})),(2,(-13))$

   (v) $((-2),13),((-1),\frac{13}{2}),((-2),(-2)),(1,(-\frac{13}{2})),(2,(-13))$

4. Find the set of points satisfying the equation $(8x+9y-6)=0$

(i) $((-2),\frac{22}{9}),((-1),\frac{14}{9}),(0,\frac{2}{3}),(0,\frac{7}{9}),(2,(-\frac{10}{9}))$ (ii) $((-2),\frac{22}{9}),((-1),\frac{14}{9}),(0,\frac{2}{3}),(1,(-\frac{2}{9})),(4,\frac{8}{9})$

(iii) $((-2),\frac{22}{9}),((-1),\frac{14}{9}),(0,\frac{2}{3}),(1,(-\frac{2}{9})),(2,(-\frac{10}{9}))$

(iv) $((-2),\frac{22}{9}),((-1),\frac{14}{9}),((-2),(-\frac{4}{3})),(1,(-\frac{2}{9})),(2,(-\frac{10}{9}))$

(v) $((-2),\frac{22}{9}),((-1),\frac{14}{9}),(1,(-\frac{1}{3})),(1,(-\frac{2}{9})),(2,(-\frac{10}{9}))$

5. Find the set of points satisfying the equation $y=(-4)$

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

(ii) $((-2),(-4)),((-1),(-4)),(1,(-5)),(1,(-4)),(2,(-4))$

(iii) $((-2),(-4)),((-1),(-4)),(0,(-4)),(0,(-3)),(2,(-4))$

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

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

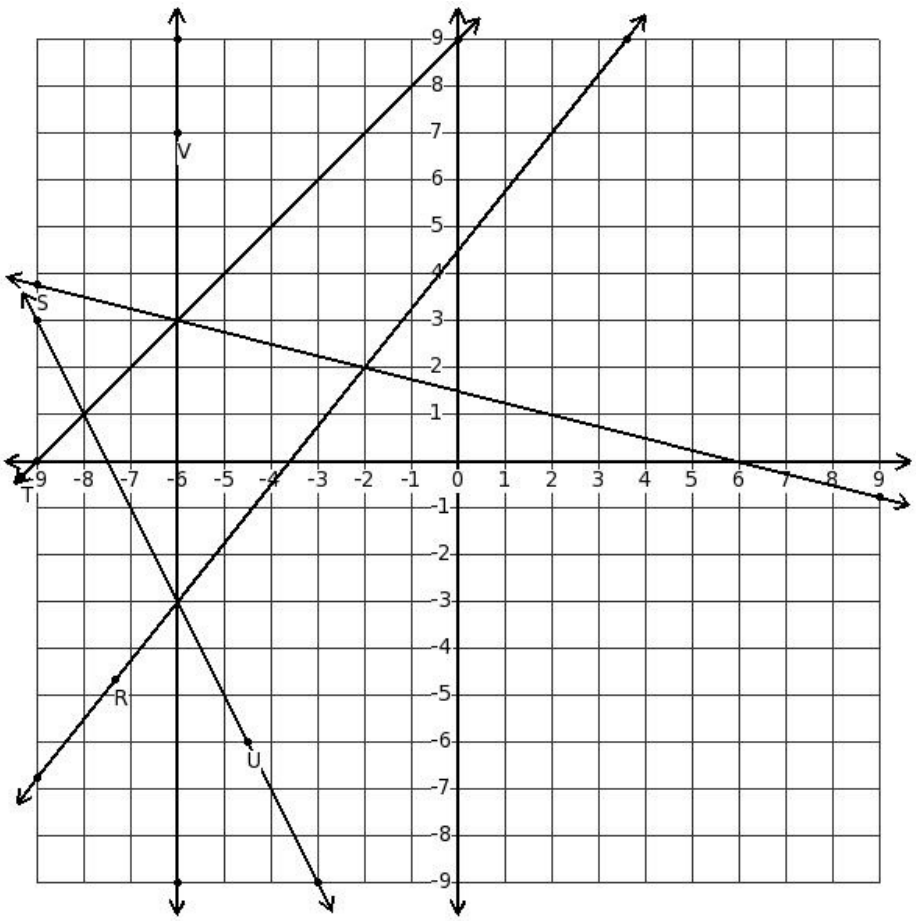
6. Find the set of points satisfying the equation $x=5$

(i) $(5,(-2)),(5,(-1)),(6,(-1)),(5,1),(5,2)$ (ii) $(5,(-2)),(5,(-1)),(5,0),(4,2),(5,2)$

(iii) $(5,(-2)),(5,(-1)),(5,0),(5,1),(5,2)$ (iv) $(5,(-2)),(5,(-1)),(5,0),(5,1),(7,4)$

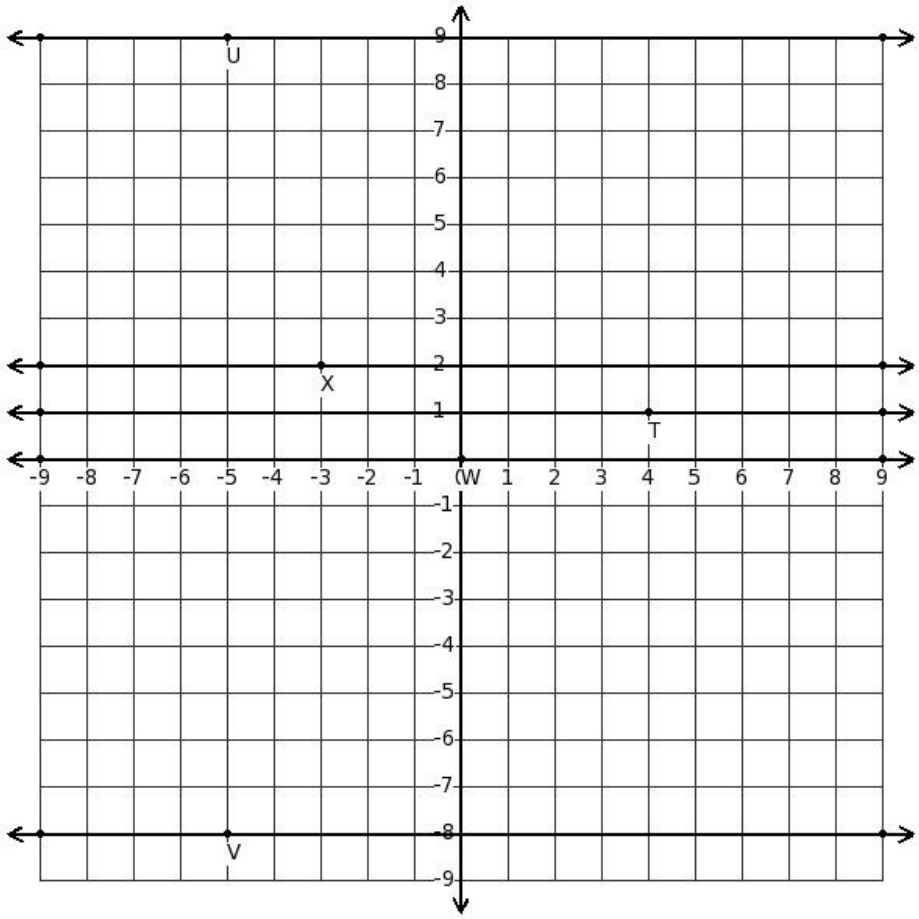
(v) $(5,(-2)),(5,(-1)),(3,(-2)),(5,1),(5,2)$

7. Which of the displayed lines represent the equation $(5x-4y+18)=0$?



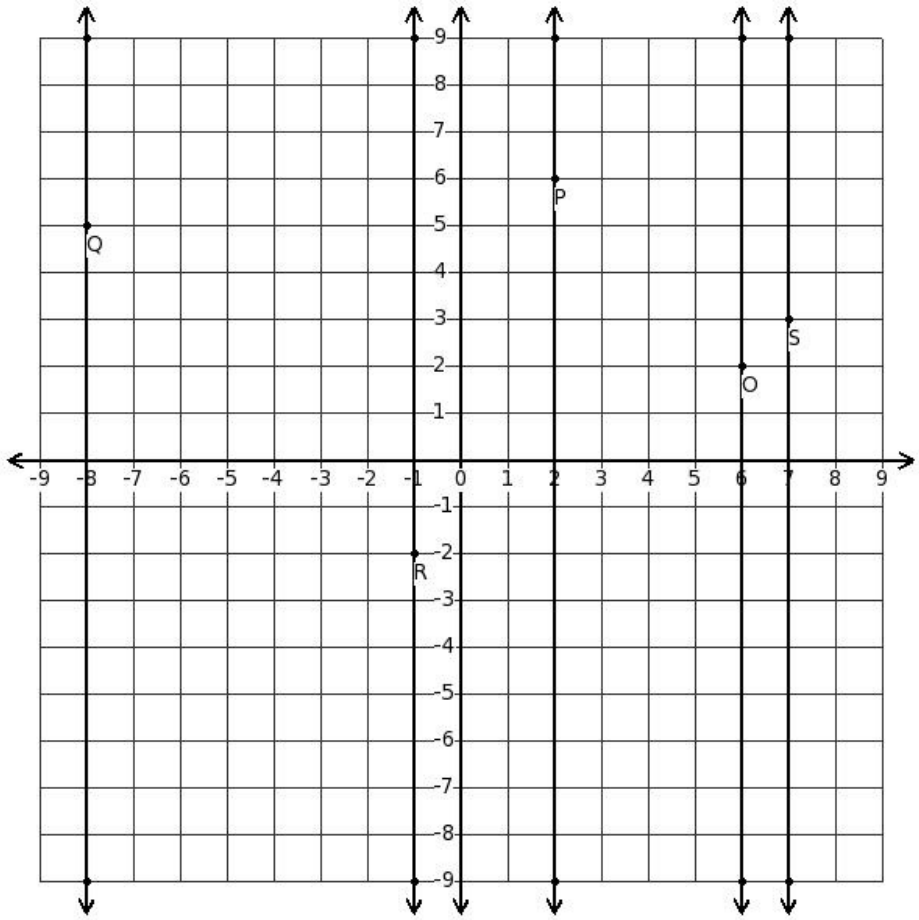
(i) line with point R (ii) line with point V (iii) line with point T (iv) line with point S (v) line with point U

8. Which of the displayed lines represent the equation $y = 1$



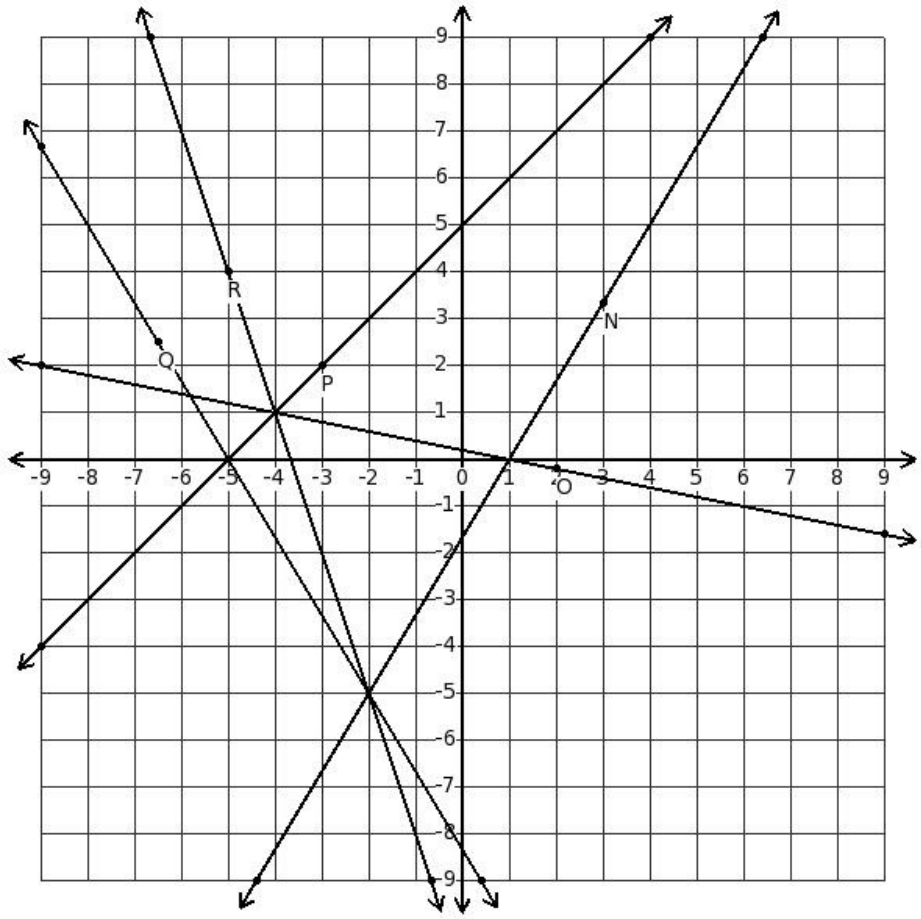
(i) line with point W (ii) line with point V (iii) line with point X (iv) line with point T (v) line with point U

9. Which of the displayed lines represent the equation $x = 6$



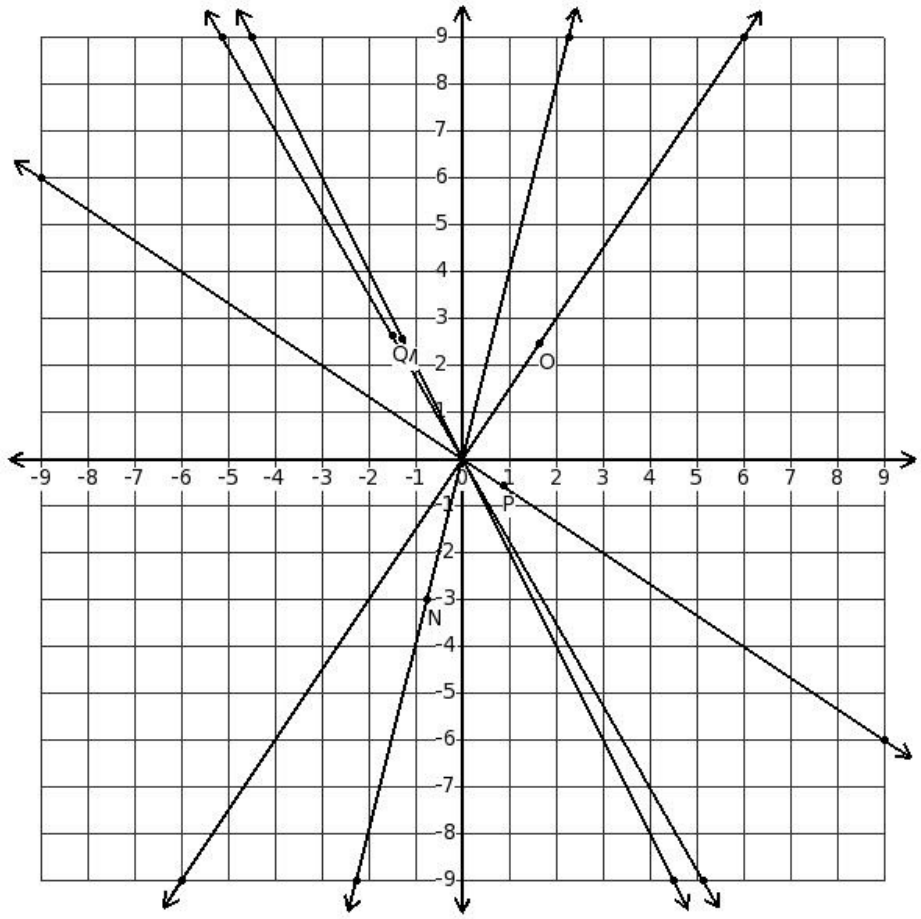
(i) line with point Q (ii) line with point R (iii) line with point P (iv) line with point O (v) line with point S

10. Which of the displayed lines represent the equation $y=(\frac{5}{3}x-\frac{5}{3})$



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

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



(i) line with point P (ii) line with point Q (iii) line with point N (iv) line with point O (v) line with point M

Assignment Key

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