Name : Equations of Lines Parallel to the \boldsymbol{x} and \boldsymbol{y}

axes

Chapter: Linear Equations in two Variables

Grade: CBSE Grade IX

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1. The equation of x-axis is

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

2. The equation of y-axis is

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

3. Any line parallel to x-axis is

(i) a curved line (ii) a vertical line (iii) a horizontal line (iv) an oblique line

4. Any line parallel to y-axis is

(i) a curved line (ii) a vertical line (iii) an oblique line (iv) a horizontal line

5. A line which is neither parallel to x-axis nor y-axis is

(i) an oblique line (ii) a curved line (iii) a horizontal line (iv) a vertical line

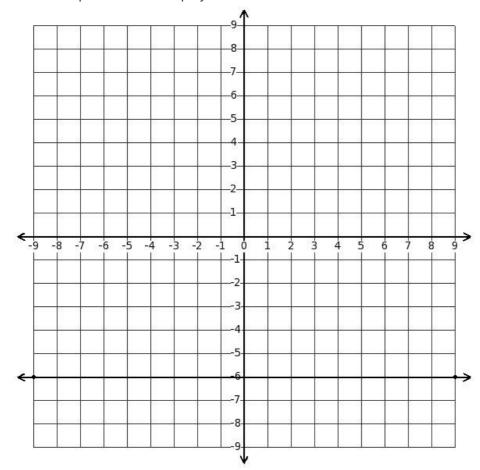
6. Equation of a straight line which is parallel to x-axis (where k is a constant) is

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

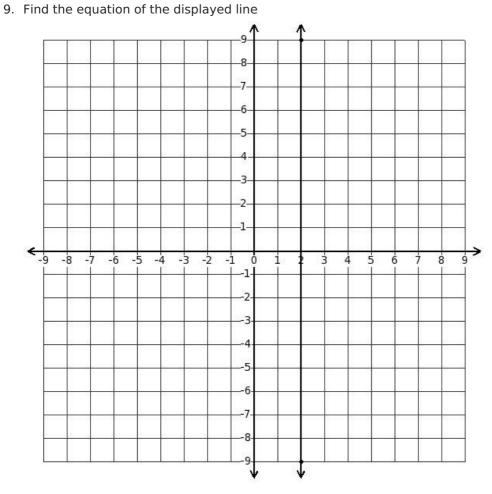
7. Equation of a straight line which is parallel to y-axis (where k is a constant) is

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

8. Find the equation of the displayed line

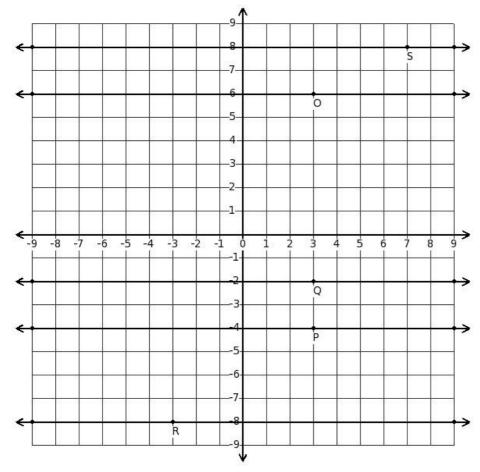


(i) x=(-6) (ii) y=(-6) (iii) y=(-5) (iv) y=(-7) (v) 3y=(-6)



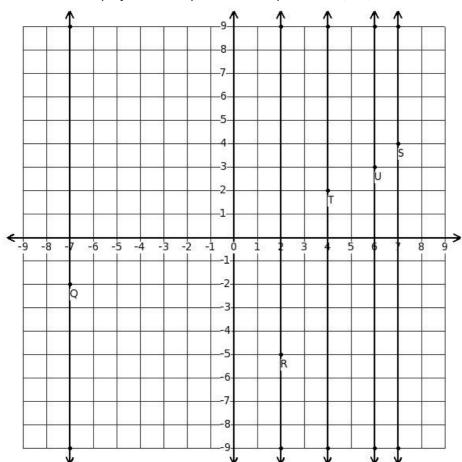
(i) x=1 (ii) x=3 (iii) y=2 (iv) x=2 (v) 3x=2

- 10. The equation of the x-axis is
 - a) x = y
 - b) y = 1
 - c) x = 0
 - d) y=0
 - e) x = 1
 - (i) {b,d} (ii) {c,e,d} (iii) {a,d} (iv) {d}
- 11. Find the equation of a straight line parallel to x-axis and passing through the point ((-1),1)
 - (i) x=1 (ii) y=1 (iii) x=(-1) (iv) y=3 (v) y=0
- 12. Find the equation of a straight line parallel to y-axis and passing through the point ((-3),(-1))
 - (i) y=1 (ii) x=(-3) (iii) y=(-1) (iv) x=(-4) (v) x=(-1)
- 13. Which of the displayed lines represent the equation y = 6



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

14. Which of the displayed lines represent the equation x = (-7)



(i) line with pointT (ii) line with pointR (iii) line with pointS (iv) line with pointQ (v) line with pointU

Assignment Key					
1) (iii)	2) (i)	3) (iii)	4) (ii)	5) (i)	6) (ii)
7) (iv)	8) (ii)	9) (iv)	10) (iv)	11) (ii)	12) (ii)
13) (v)	14) (iv)				

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