



1. Find the set of points satisfying the equation $(-9x - 9y + 27) = 0$

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

(iii) $((-2), 5), ((-1), 4), (1, 2), (2, 1)$ (iv) $((-2), 5), ((-1), 4), (0, 3), (2, 1)$

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

2. Find the set of points satisfying the equation $y = (-5x + 39)$

(i) $((-2), 49), ((-1), 44), (0, 39), (1, 34), (4, 31)$ (ii) $((-2), 49), ((-1), 44), (0, 39), (0, 35), (2, 29)$

(iii) $((-2), 49), ((-1), 44), ((-2), 37), (1, 34), (2, 29)$ (iv) $((-2), 49), ((-1), 44), (1, 38), (1, 34), (2, 29)$

(v) $((-2), 49), ((-1), 44), (0, 39), (1, 34), (2, 29)$

3. Find the set of points satisfying the equation $x = (\frac{11}{5}y - \frac{34}{5})$

(i) $((-2), \frac{24}{11}), ((-1), \frac{29}{11}), (0, \frac{34}{11}), (0, \frac{50}{11}), (2, 4)$ (ii) $((-2), \frac{24}{11}), ((-1), \frac{29}{11}), (0, \frac{34}{11}), (1, \frac{39}{11}), (2, 4)$

(iii) $((-2), \frac{24}{11}), ((-1), \frac{29}{11}), (0, \frac{34}{11}), (1, \frac{39}{11}), (4, 6)$ (iv) $((-2), \frac{24}{11}), ((-1), \frac{29}{11}), ((-2), \frac{12}{11}), (1, \frac{39}{11}), (2, 4)$

(v) $((-2), \frac{24}{11}), ((-1), \frac{29}{11}), (1, \frac{23}{11}), (1, \frac{39}{11}), (2, 4)$

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

(i) $((-2), \frac{18}{5}), ((-1), \frac{9}{5}), (0, 0), (1, (-\frac{9}{5})), (4, (-\frac{8}{5}))$ (ii) $((-2), \frac{18}{5}), ((-1), \frac{9}{5}), (0, 0), (0, (-\frac{4}{5})), (2, (-\frac{18}{5}))$

(iii) $((-2), \frac{18}{5}), ((-1), \frac{9}{5}), ((-2), (-2)), (1, (-\frac{9}{5})), (2, (-\frac{18}{5}))$

(iv) $((-2), \frac{18}{5}), ((-1), \frac{9}{5}), (1, (-1)), (1, (-\frac{9}{5})), (2, (-\frac{18}{5}))$ (v) $((-2), \frac{18}{5}), ((-1), \frac{9}{5}), (0, 0), (1, (-\frac{9}{5})), (2, (-\frac{18}{5}))$

5. Find the set of points satisfying the equation $(8x + 35y - 7) = 0$

(i) $((-2), \frac{23}{35}), ((-1), \frac{3}{7}), (0, \frac{1}{5}), (0, \frac{34}{35}), (2, (-\frac{9}{35}))$ (ii) $((-2), \frac{23}{35}), ((-1), \frac{3}{7}), (0, \frac{1}{5}), (1, (-\frac{1}{35})), (4, \frac{61}{35})$

(iii) $((-2), \frac{23}{35}), ((-1), \frac{3}{7}), (1, (-\frac{4}{5})), (1, (-\frac{1}{35})), (2, (-\frac{9}{35}))$

(iv) $((-2), \frac{23}{35}), ((-1), \frac{3}{7}), ((-2), (-\frac{9}{5})), (1, (-\frac{1}{35})), (2, (-\frac{9}{35}))$

(v) $((-2), \frac{23}{35}), ((-1), \frac{3}{7}), (0, \frac{1}{5}), (1, (-\frac{1}{35})), (2, (-\frac{9}{35}))$

6. Find the set of points satisfying the equation $y=9$

- (i) $((-2),9),((-1),9),(0,9),(1,9),(2,9)$ (ii) $((-2),9),((-1),9),((-2),7),(1,9),(2,9)$
(iii) $((-2),9),((-1),9),(0,9),(0,10),(2,9)$ (iv) $((-2),9),((-1),9),(1,8),(1,9),(2,9)$
(v) $((-2),9),((-1),9),(0,9),(1,9),(4,11)$

7. Find the set of points satisfying the equation $x=4$

- (i) $(4,(-2)),(4,(-1)),(5,(-1)),(4,1),(4,2)$ (ii) $(4,(-2)),(4,(-1)),(2,(-2)),(4,1),(4,2)$
(iii) $(4,(-2)),(4,(-1)),(4,0),(4,1),(6,4)$ (iv) $(4,(-2)),(4,(-1)),(4,0),(3,2),(4,2)$
(v) $(4,(-2)),(4,(-1)),(4,0),(4,1),(4,2)$

8. Which of the following equations satisfy the given points $((-2),4),((-1),\frac{8}{5}), (0,(-\frac{4}{5})), (1,(-\frac{16}{5})), (2,(-\frac{28}{5}))$?

- (i) $(21x+32y-12)=0$ (ii) $y=(-\frac{12}{5}x-\frac{117}{5})$ (iii) $(-12x-5y-4)=0$ (iv) $x=(-6)$ (v) $y=(-9)$

Which of the following equations satisfy the given points

9. $((-2),(-4)),((-1),(-\frac{14}{3})), (0,(-\frac{16}{3})), (1,(-6)), (2,(-\frac{20}{3}))$?

- (i) $x=(-2)$ (ii) $x=(\frac{2}{3}y+\frac{2}{3})$ (iii) $y=(-\frac{2}{3}x-\frac{16}{3})$ (iv) $(9x+14y-6)=0$ (v) $y=(-4)$

10. Which of the following equations satisfy the given points $((-2),2),((-1),\frac{10}{9}), (0,\frac{2}{9}), (1,(-\frac{2}{3})), (2,(-\frac{14}{9}))$?

- (i) $y=(-\frac{13}{3}x+\frac{68}{3})$ (ii) $y=1$ (iii) $x=5$ (iv) $(-13x-3y+1)=0$ (v) $(8x+9y-2)=0$

Which of the following equations satisfy the given points

11. $((-2),(-2)),((-1),(-2)), (0,(-2)), (1,(-2)), (2,(-2))$?

- (i) $x=8$ (ii) $y=(-2)$ (iii) $x=(\frac{5}{17}y+\frac{146}{17})$ (iv) $(-5x-17y+23)=0$ (v) $(21x+40y-15)=0$

Which of the following equations satisfy the given points

12. $((-9),(-2)),((-9),(-1)), ((-9),0), ((-9),1), ((-9),2)$?

- (i) $x=(-9)$ (ii) $(6x+15y-5)=0$ (iii) $y=(-9)$ (iv) $(-5x-9y+17)=0$ (v) $y=(-\frac{5}{9}x-14)$

Assignment Key

1) (v)

2) (v)

3) (ii)

4) (v)

5) (v)

6) (i)

7) (v)

8) (iii)

9) (iii)

10) (v)

11) (ii)

12) (i)

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