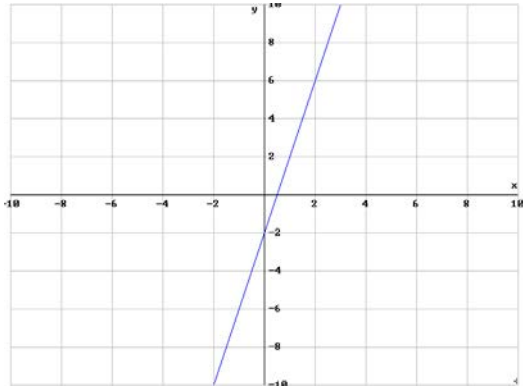




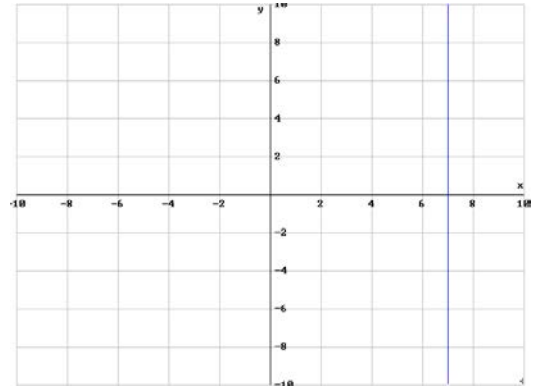
## Topic 7: Graphing in the Coordinate Plane

### Answers

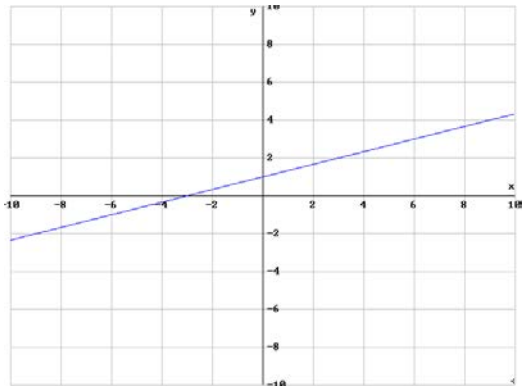
1.



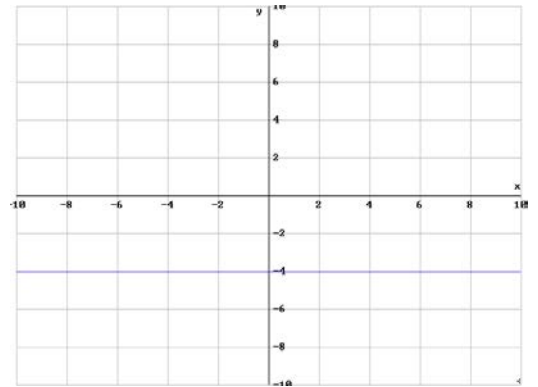
4.



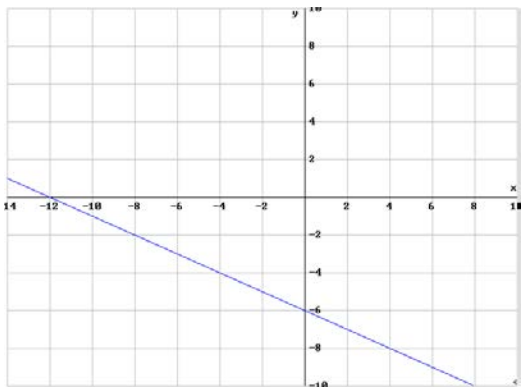
2.



5.



3.



6.  $m = \frac{11}{2}$

7. undefined

8.  $m = 0$

9.  $m = -2$

10. The x-intercept occurs at  $x = -\frac{4}{3}$ .

The y-intercept occurs at  $y = 4$ .



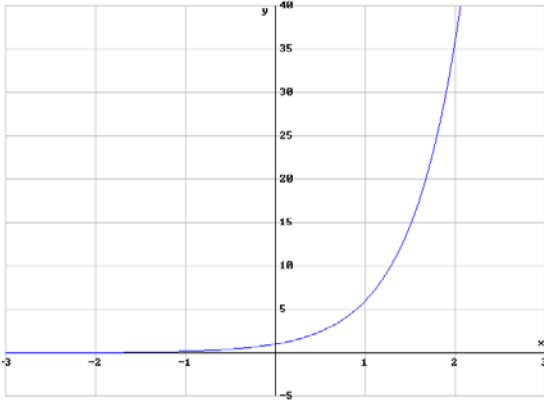
11. The x-intercept occurs at  $x = 8$ .

The y-intercept occurs at  $y = 8$ .

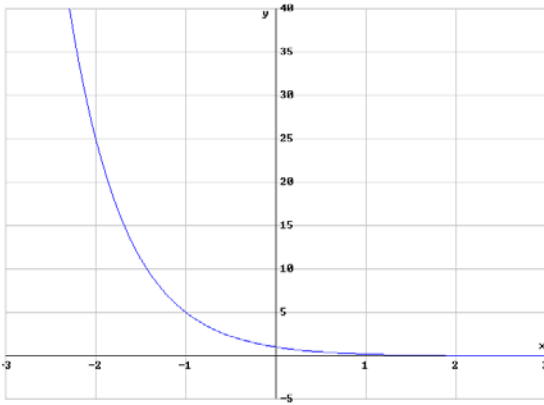
12. The x-intercept occurs at  $x = -5$ .

The y-intercept occurs at  $y = -\frac{5}{2}$ .

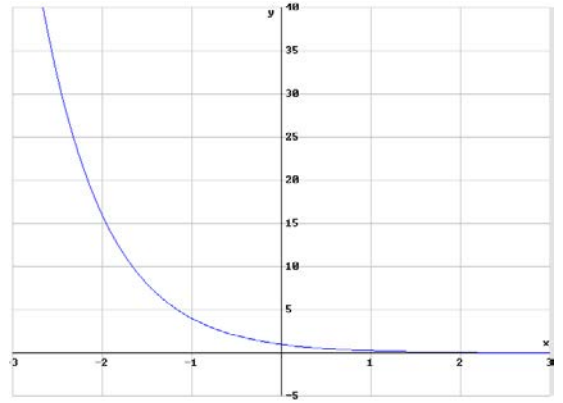
13. Points:  $(-1, \frac{1}{6})$ ,  $(0, 1)$ ,  $(1, 6)$ ,  $(2, 36)$



14. Points:  $(-2, 25)$ ,  $(-1, 5)$ ,  $(0, 1)$ ,  $(1, \frac{1}{5})$



15. Points:  $(-2, 16)$ ,  $(-1, 4)$ ,  $(0, 1)$ ,  $(1, \frac{1}{4})$



16. A

17. (c)

18.  $(-\infty, c) \cup (b, \infty)$

19. (a, d)