

Solve the following equations for  $x$ :

1.  $2x + 5 = z$

5.  $z = \frac{1}{2}ax^2$

8.  $\frac{2t}{9x} + \frac{5}{3x} = 4t$

2.  $3x - y = 5y$

6.  $\frac{3x}{7y} = 22$

9.  $G\frac{ab}{x^2} = F$

3.  $5ax + 2a = -9ab$

7.  $\frac{4y}{7x} = 16$

10.  $12tx + 8 = 9x$

4.  $4x - 12d = 44p$

Write  $x$  as a function of  $t$ :

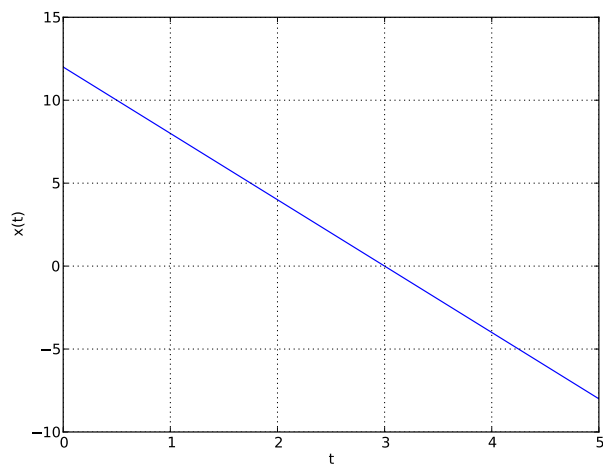
11.  $2t + 4x = 24$

13.  $3t^2 + 9xt = 4t - x$

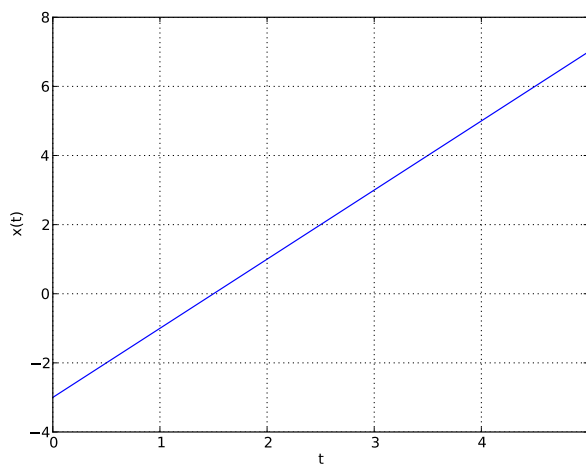
12.  $3t^2 + 9xt = 4t$

14.  $5t \sin x = 25t^2$

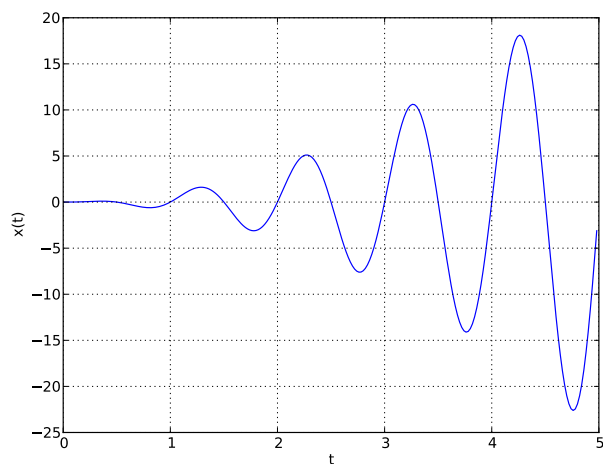
15. What is the value of  $x(3)$  in the following figures?



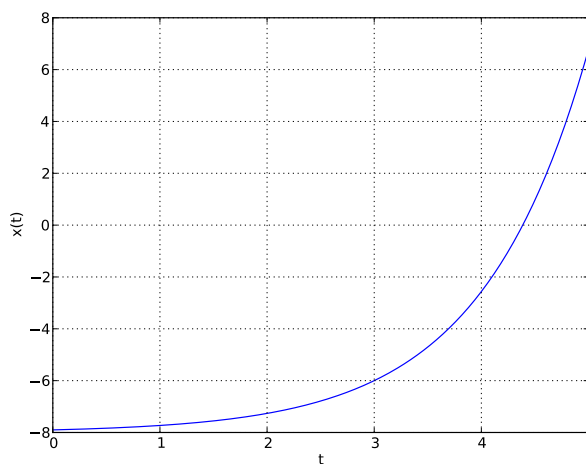
(a)



(b)



(c)



(d)

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16. What is  $x(5)$  in problem 11.
17. What is  $x(0)$  in problem 12.
18. What is  $x(1)$  in problem 13.
19. What is  $x(-1)$  in problem 14.