Solve the following equations for x, and simplify:

1.
$$\frac{9}{8x} = 3z$$

3.
$$F = k \frac{ab}{x^2}$$

2.
$$6z - 2zx = 12zy$$

4.
$$8tx + 8t = 12x$$

Write x as a function of t, and simplify:

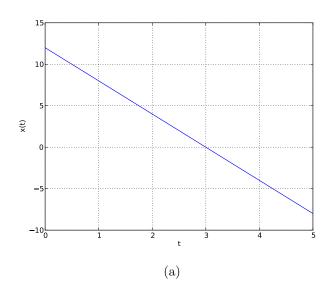
5.
$$6t + 3x = 9$$

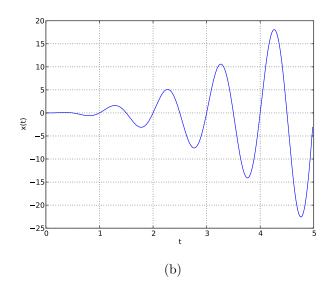
7.
$$8xt = 6t^2 + 2x - 10t$$

$$6. t^2 - 2xt = t$$

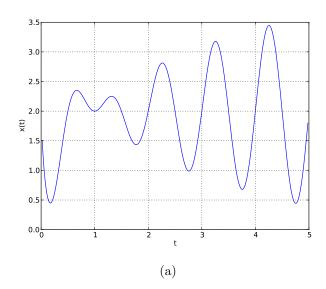
$$8. \ \frac{x}{t} - v_0 = \frac{1}{2}at$$

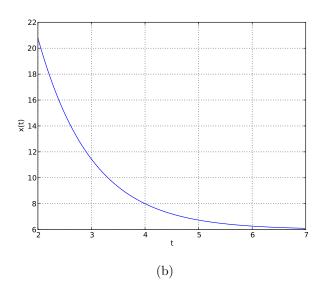
9. What is the value of x(3) in the following figures?





10. What is the value of x(4) in the following figures?

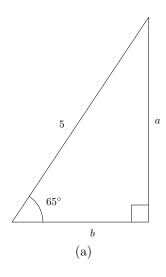


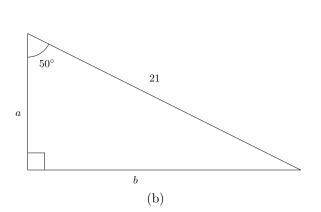


11. What is $x(\frac{1}{2})$ in problem 7?

12. What is x(2) in problem 10?

13. Find a and b in the following figures.





14. Convert 1.08×10^9 km/h to units of m/s.