

## Answer Key

1.  $(-4x^2 + 12x - 8)/(2x - 3)$
2. 3000
3. False
4. A
5.  $p(t) = 1.5t + 84$ ; 84 cents
6. D
7.  $C(x) = 10x + 450$ .
8. C
9. B
10. 6.
11. B
12. A
13. False
14. C
15. A
16.  $\frac{1}{3}x^{-\frac{2}{3}} + \frac{1}{2}x^{-\frac{3}{2}}$
17. False
18. A
19. Decreasing by 18 toasters/month
20. C
21.  $(3 * (x - 3 * y)^2)/(9 * (x - 3 * y)^2 + 1)$