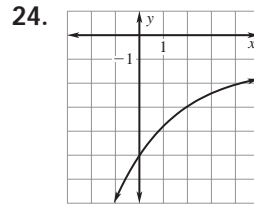
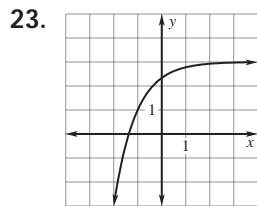
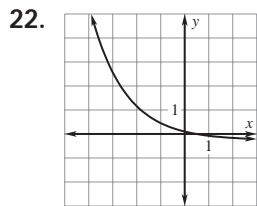
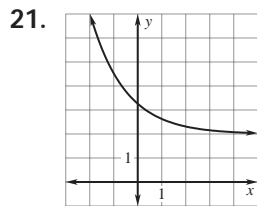
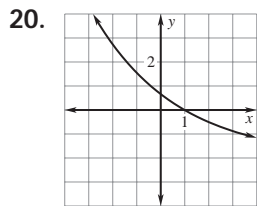
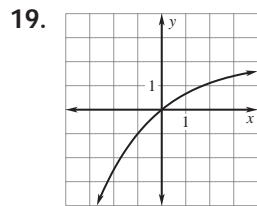
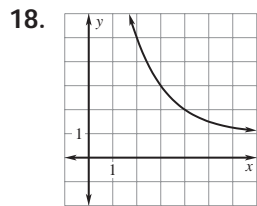
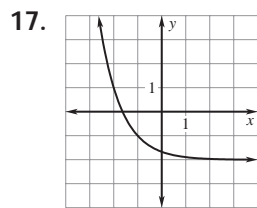
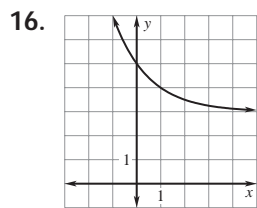


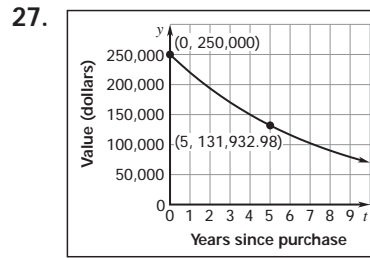
# Answer Key

## Practice C

1. exponential decay    2. exponential growth
3. exponential decay    4. exponential growth
5. exponential growth    6. exponential decay
7. 4;  $y = 3$     8.  $\frac{8}{27}$ ;  $x$ -axis    9.  $\frac{3}{16}$ ;  $x$ -axis
10. domain: all real numbers; range:  $y > -3$
11. domain: all real numbers; range:  $y > 4$
12. domain: all real numbers; range:  $y > 1$
13. domain: all real numbers; range:  $y > -2$
14. domain: all real numbers; range:  $y > 7$
15. domain: all real numbers; range:  $y < -4$



25.  $y = 250,000(0.88)^t$   
 26. \$131,932.98



28. 10 years

29.  $y = \begin{cases} 830, & 0 \leq t \leq \frac{1}{4} \\ 830(0.87)^{t-1/4}, & t > \frac{1}{4} \end{cases}$     30. \$747.68