

# Answer Key

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## Practice A

1.  $y = 3^x$  2.  $y = 3 \cdot 2^x$  3.  $y = 2 \cdot 5^x$
4.  $y = \left(\frac{1}{2}\right)4^x$  5.  $y = 2^x$  6.  $y = 2 \cdot 3^x$
7. yes 8. no 9. yes 10. yes
11.  $y = 4.96(1.38)^t$  12.  $y = 1.52(3.33)^t$
13.  $y = 171.40(186,278.85)^t$
14.  $y = 3.10(24.70)^t$  15.  $y = 3459.92(2.81)^t$
16.  $y = 5.07(9.98)^t$  17.  $y = 2x^3$  18.  $y = 3x^2$
19.  $y = x^{1.5}$  20. no 21. yes 22.  $y = x^{2.4}$
23.  $y = x^{1.3}$  24.  $y = x^{0.8}$