Lesson 5.2.3

5-82. See below:

a. $y = b^x$

b. Answers vary.

c. $x = b^y$; students might choose y-values to determine x-values.

Review & Preview

5-84. Possible answer: $y = 2^x + 15$

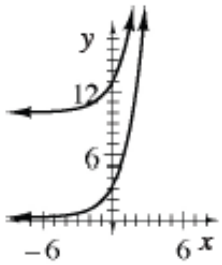
5-85. $y = \log_7 x$

5-86. $n \approx 3.66$

5-87. $(x + 2)^2 + (y - 3)^2 = 4r^2$

5-88. \$0.66

5-89. See graph below.



a. The second is just the first shifted up ten units.

b. $y = km^x + b$

5-90. See below:

a. $x = 10$ or $x = -8$

b. $x = 2$ or $x = -4$

c. $-2 < x < 4$

d. $x \geq 3$ or $x \leq -13$

5-91. See below:

a. $x(x + 8)$

b. $(xy + 9z)(xy - 9z)$

c. $2(x + 8)(x - 1)$

d. $(3x + 1)(x - 4)$

5-92. See below:

a. 2

b. $\frac{1}{x+2}$

c. $\frac{x-4}{(x-2)(x-1)}$

d. $\frac{4x+16}{x(x+2)}$