

Lesson 7.2.2

7-96. See below:

a. $y = 5 \cdot 1.5^x$

b. $y = 0.5(0.4)^x$

7-97. See below:

a. 2, 4, 8, 16

b. 2^n

c. a^n

7-98. See below:

a. $x = 0, 1, 2$ and $y = -2, 0, 1$

b. $-1 \leq x \leq 1$ and $-1 \leq y \leq 2$

c. $x \leq 2$ and $y \geq -2$

d. x : all real numbers and $y \geq -1$

7-99. See below:

a. $\frac{3}{2}$

b. 3

c. 6

d. 2

e. Never; (0, 3)

f. $\frac{2^x}{x}$

7-100. See below:

a. 16

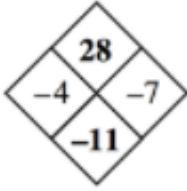
b. 3125

c. 2187

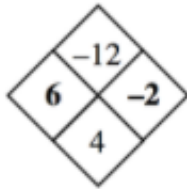
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7-101. See the answers in bold in the diamonds below:

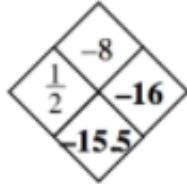
a.



b.



c.



d.

