

Lesson 7.2.1

7-87. See below:

a. $y = 2 \cdot 4^x$

b. $y = 4(0.5)^x$

7-88. See below:

a. $a = 3, b = 5$

b. $a = 2, b = 3$

7-89. See below.

a. -4

b. 2

c. -2

d. 10

7-90. Possibilities: $8, 2^3, (16^3)^{1/4}, (16^{1/4})^3, \sqrt[4]{16^3}$, etc.

7-91. Equation: $y = 4x - 12$; intercepts: $(3, 0)$ and $(0, -12)$