



Name

Score

Solve and show all steps.

$$2^x = 64$$

$$3^{x+1} = 81$$

$$5^{2x} = 625$$

$$7^{x-3} = 1$$

$$4^x = \frac{1}{16}$$

$$25^x = 5$$

$$4 \cdot 3^x = 324$$

$$27^x = 9^{x+2}$$

$$\left(\frac{1}{2}\right)^{x-1} = 8$$

$$10^{3x} = 1,000,000$$



Solve and show all steps.

6

3

2

3

-2

$\frac{1}{2}$

4

4

-2

2