

**Coordinate Algebra**  
**Simple Exponential Equations**

Name \_\_\_\_\_ Period \_\_\_\_\_

Solve for x.

1.  $2^x = 8$

2.  $3^x = 9$

3.  $4^x = 64$

4.  $5^x = \frac{1}{25}$

5.  $6^x = \frac{1}{216}$

6.  $5^x = 125$

7.  $243 = 3^x$

8.  $2^x + 4 = 68$

9.  $6^x - 1 = 35$

10.  $2^x + \frac{1}{16} = \frac{2}{16}$