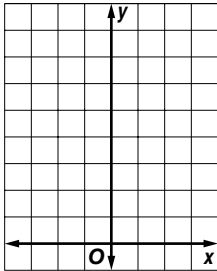


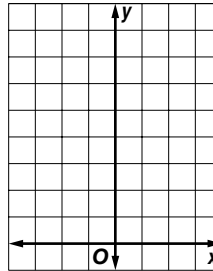
10-5 Skills Practice**Exponential Functions**

Graph each function. State the y-intercept. Then use the graph to determine the approximate value of the given expression. Use a calculator to confirm the value.

1. $y = 2^x; 2^{2.3}$

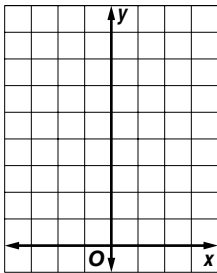


2. $y = \left(\frac{1}{3}\right)^x; \left(\frac{1}{3}\right)^{-1.6}$

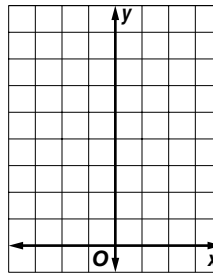


Graph each function. State the y-intercept.

3. $y = 3(2^x)$



4. $y = 3^x + 2$



Determine whether the data in each table display exponential behavior. Explain why or why not.

5.

x	-3	-2	-1	0
y	9	12	15	18

6.

x	0	5	10	15
y	20	10	5	2.5

7.

x	4	8	12	16
y	20	40	80	160

8.

x	50	30	10	-10
y	90	70	50	30