

Exponential Growth and Decay Practice Worksheet

Name _____ Class Period _____

Tell whether the function represents exponential growth or exponential decay.

1. $y = \left(\frac{3}{4}\right)^x$

2. $y = \left(\frac{5}{3}\right)^x$

3. $y = 5^x$

4. $y = \frac{1}{2}(3^x)$

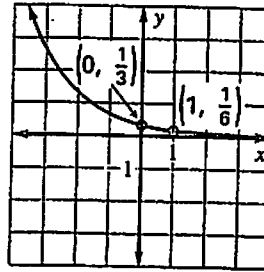
5. $y = 0.8^x$

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

Match the function with its graph.

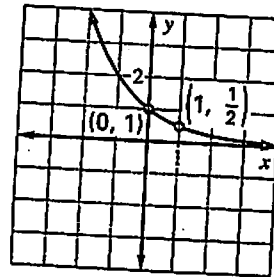
7. $y = \left(\frac{1}{2}\right)^x$

A)



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

B)



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

C)

