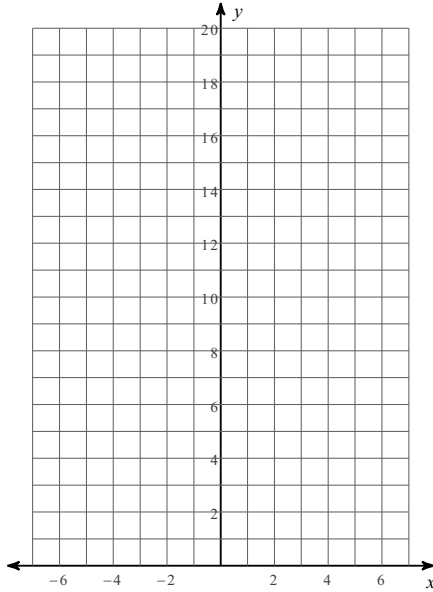


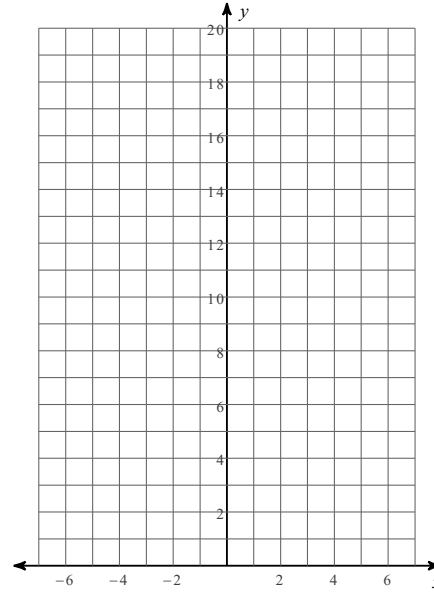
## Graphing Exponential Decay

Sketch the graph of each function.

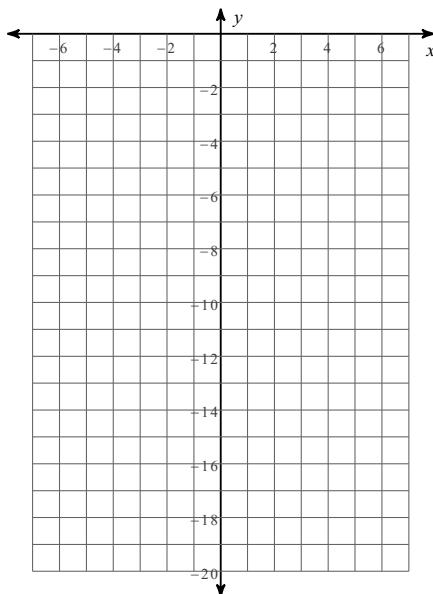
1)  $y = \left(\frac{1}{3}\right)^x$



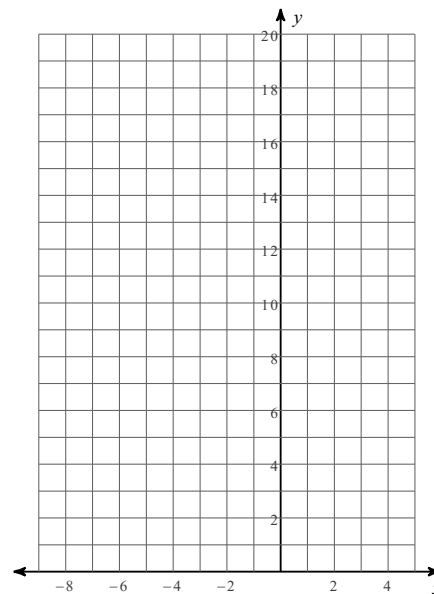
2)  $y = 5 \cdot \left(\frac{1}{2}\right)^x$



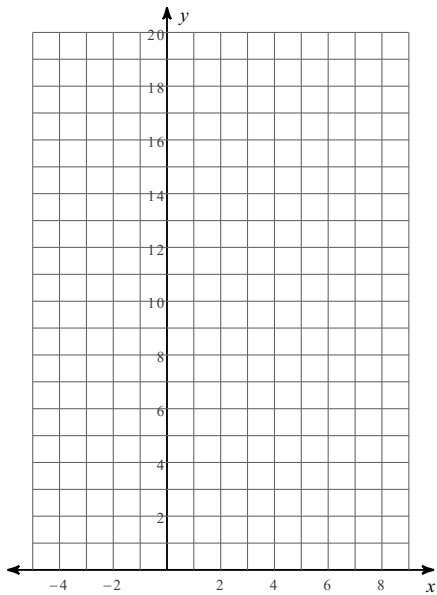
3)  $y = -3 \cdot \left(\frac{1}{2}\right)^x$



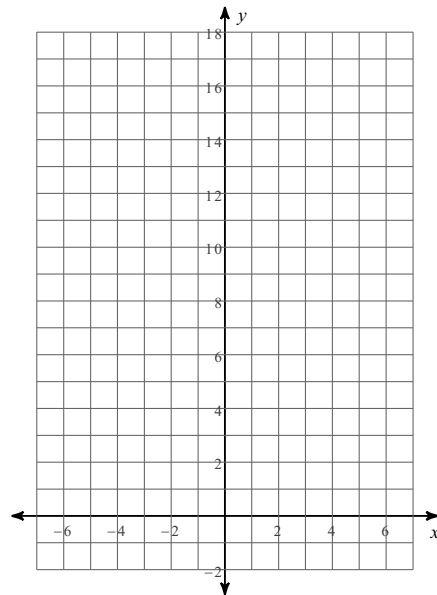
4)  $y = \left(\frac{1}{3}\right)^{x+2}$



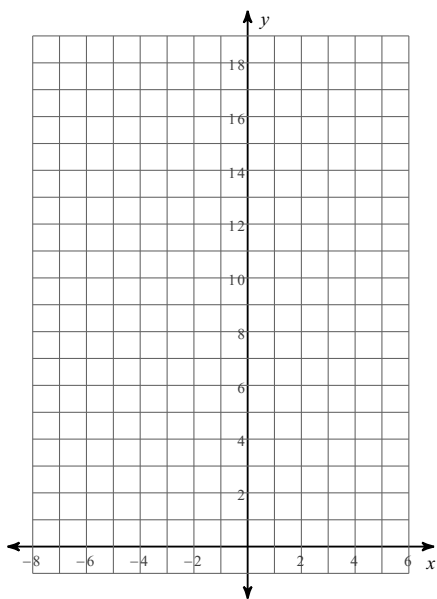
$$5) y = 4 \cdot \left(\frac{1}{2}\right)^{x-2}$$



$$6) y = 5 \cdot \left(\frac{1}{2}\right)^x - 2$$



$$7) y = 3 \cdot \left(\frac{1}{2}\right)^{x+1} - 1$$



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

