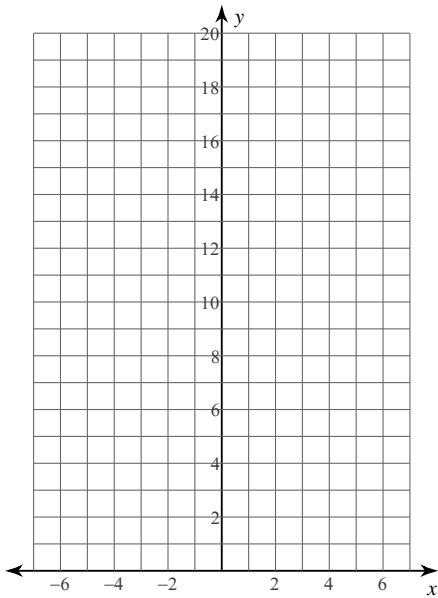


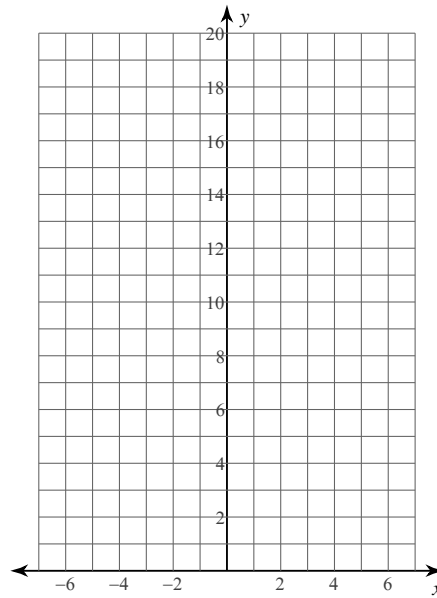
## Graphing Exponential Functions

**Sketch the graph of each function.**

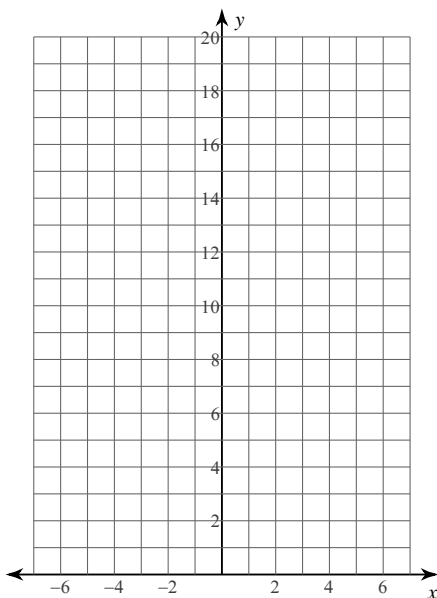
1)  $y = 2 \cdot 4 = x$



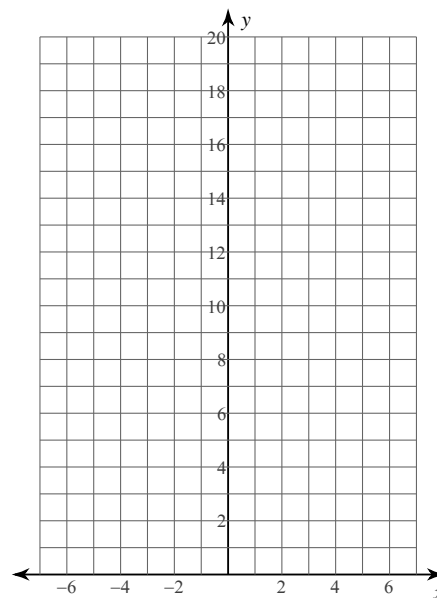
2)  $y = 5 \cdot 2 = x$



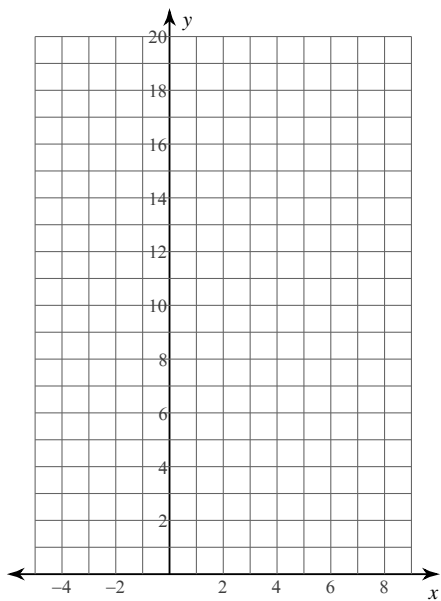
3)  $y = 4 \cdot \left(\frac{1}{2}\right)^x$



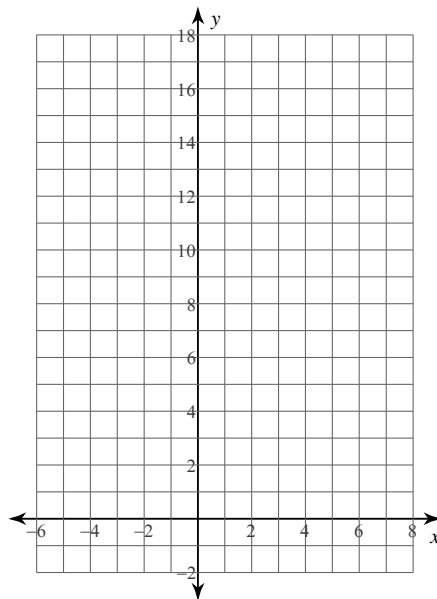
4)  $y = 2 \cdot \left(\frac{1}{2}\right)^x$



5)  $y = 3 \cdot 2^{x-2} + 2$

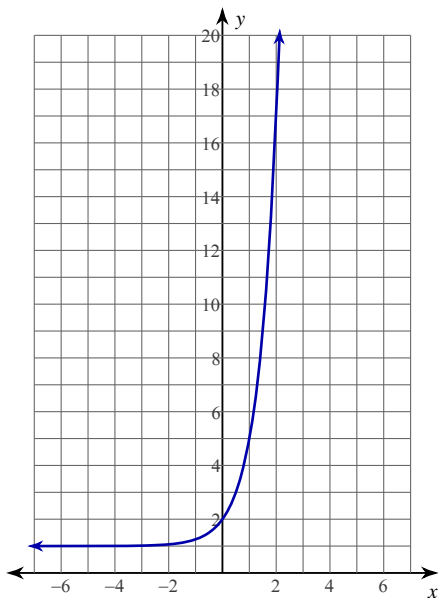


6)  $y = 4 \cdot \left(\frac{1}{2}\right)^{x-1} - 2$

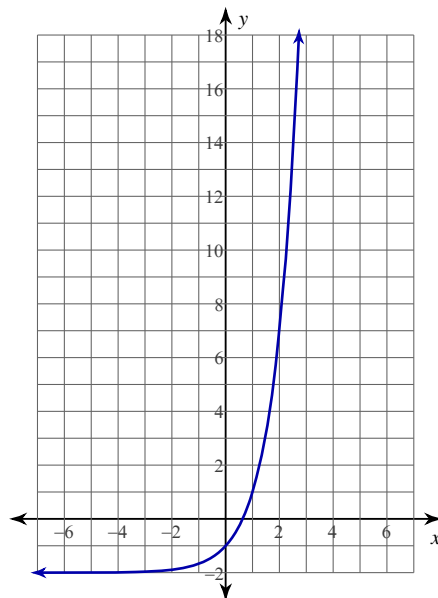


**Write an equation for each graph.**

7)



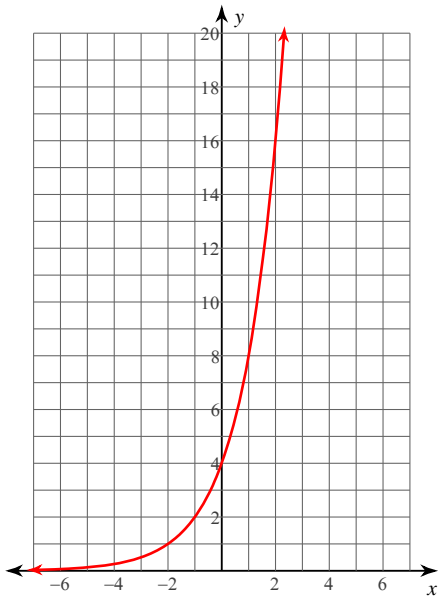
8)



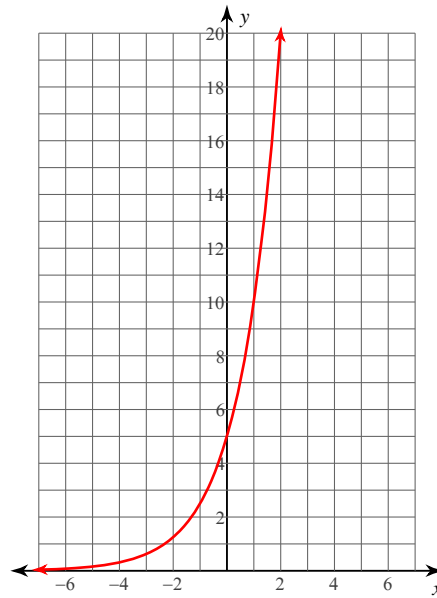
## Graphing Exponential Functions

Sketch the graph of each function.

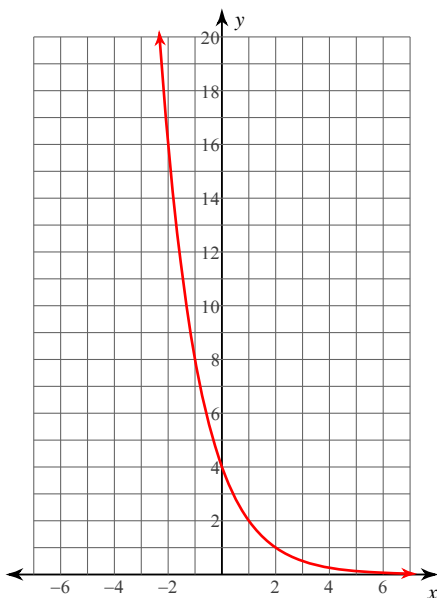
1)  $y = 2 \cdot 4 = x$



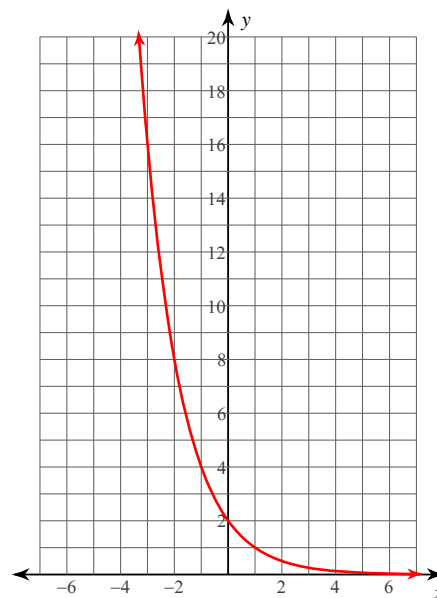
2)  $y = 5 \cdot 2 = x$



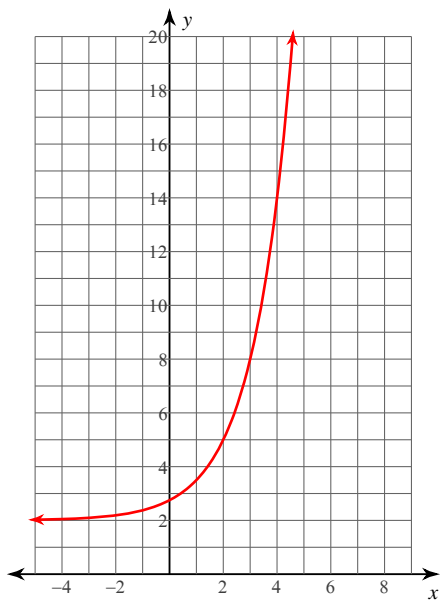
3)  $y = 4 \cdot \left(\frac{1}{2}\right)^x$



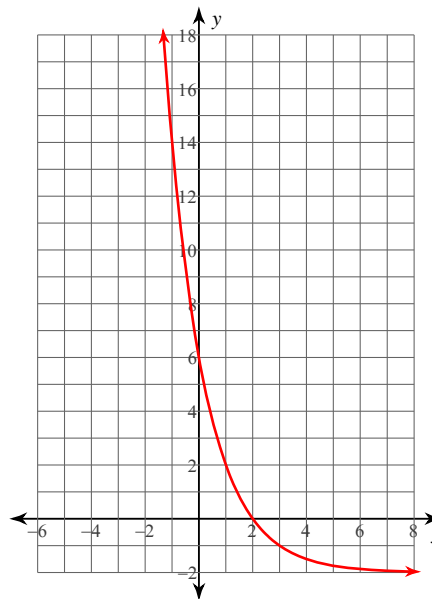
4)  $y = 2 \cdot \left(\frac{1}{2}\right)^x$



5)  $y = 3 \cdot 2^{x-2} + 2$

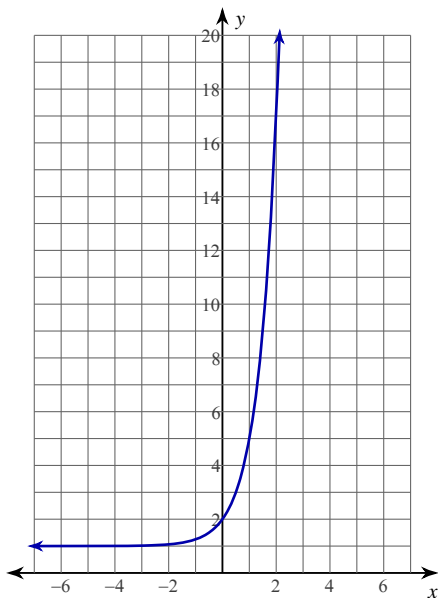


6)  $y = 4 \cdot \left(\frac{1}{2}\right)^{x-1} - 2$



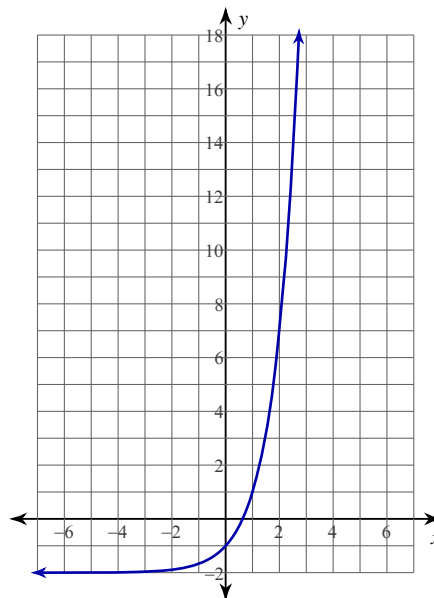
**Write an equation for each graph.**

7)



$y = 4^x + 1$

8)



$y = 3^x - 2$