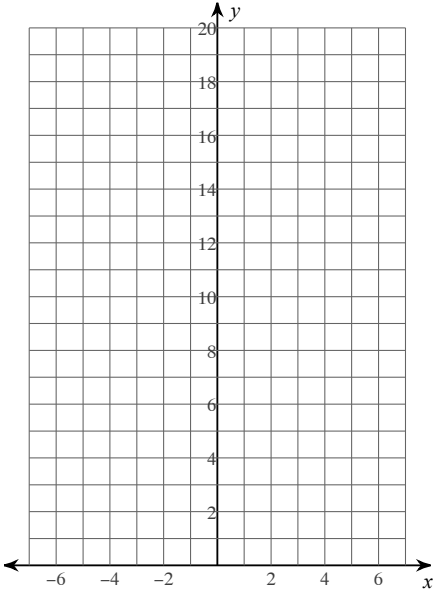


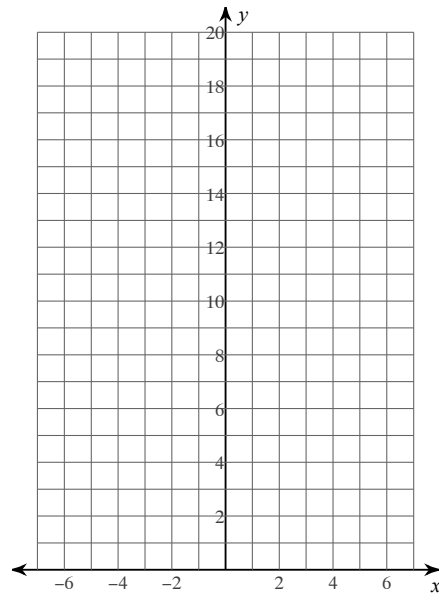
## Exponential Equations

Sketch the graph of each function.

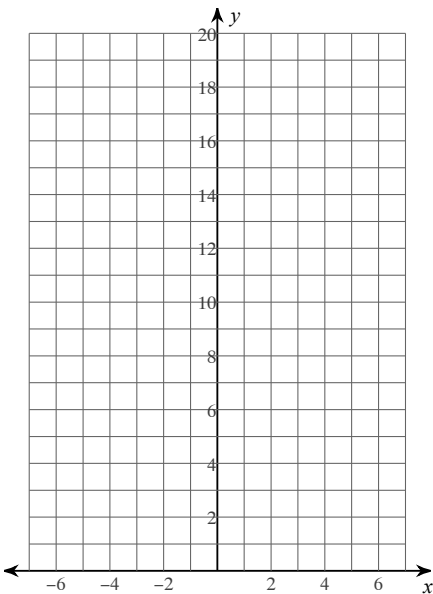
1)  $y = 5 \cdot \left(\frac{1}{2}\right)^x$



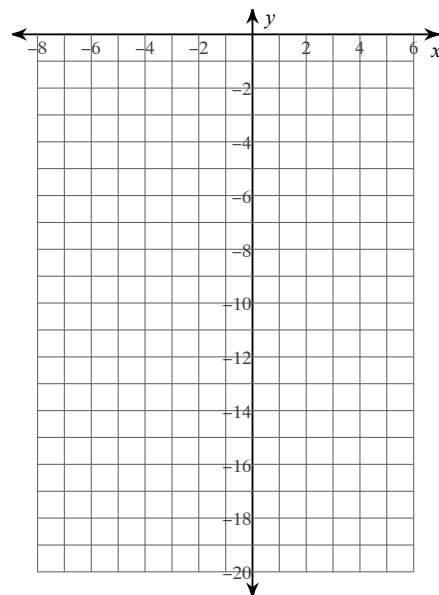
2)  $f(x) = 3 \cdot 2^x + 2$



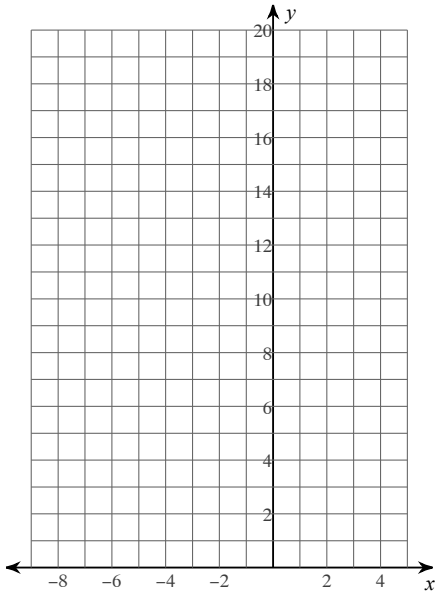
3)  $f(x) = 4 \cdot \left(\frac{1}{2}\right)^x + 2$



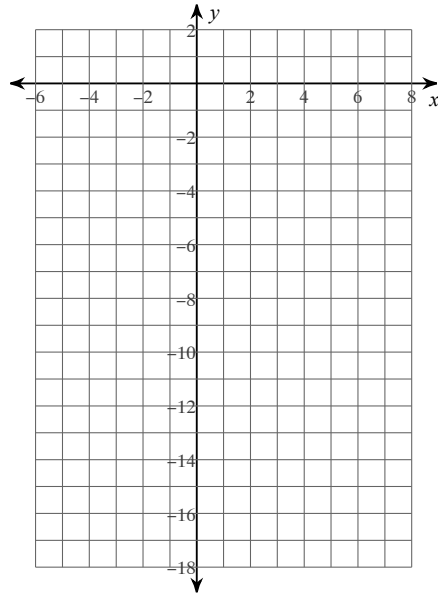
4)  $f(x) = -3 \cdot 2^{x+1} - 2$



5)  $f(x) = 3 \cdot \left(\frac{1}{2}\right)^{x+2} + 2$

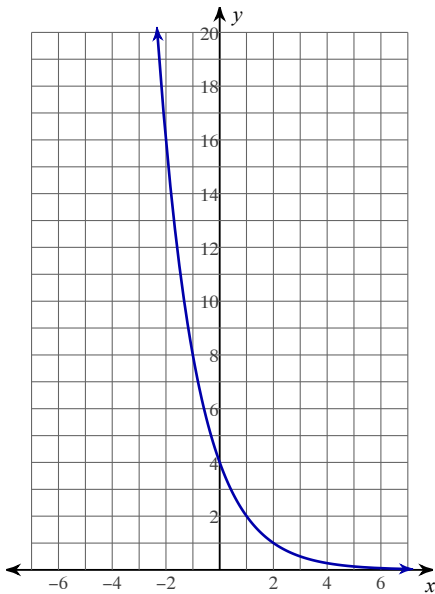


6)  $f(x) = -5 \cdot \left(\frac{1}{2}\right)^{x-1} + 2$

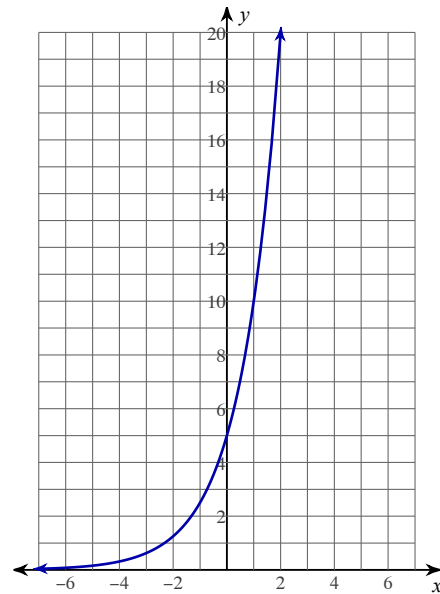


**Write an equation for each graph.**

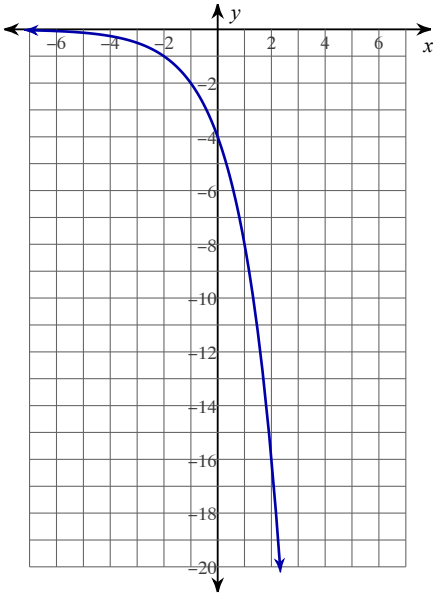
7)



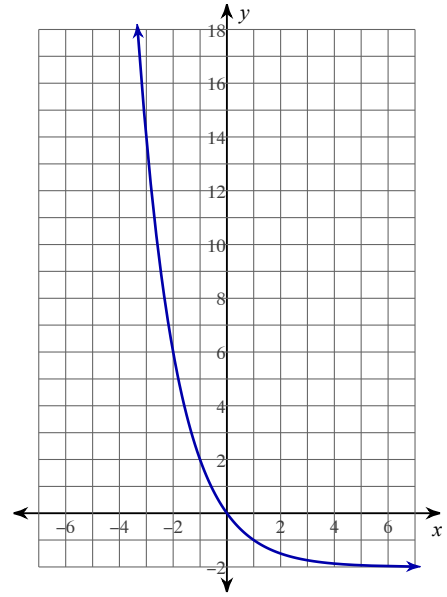
8)



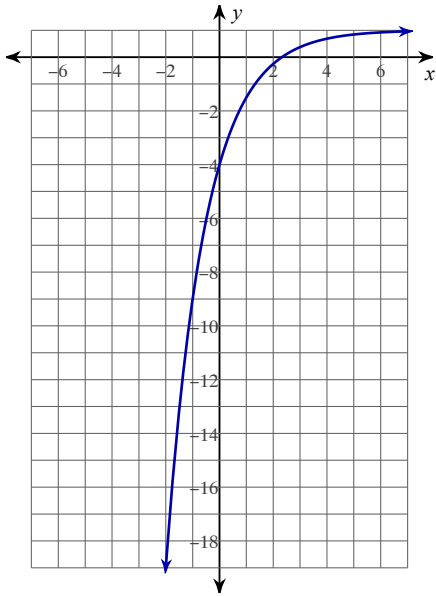
9)



10)



11)



12)

