

Graphing exponential decay functions

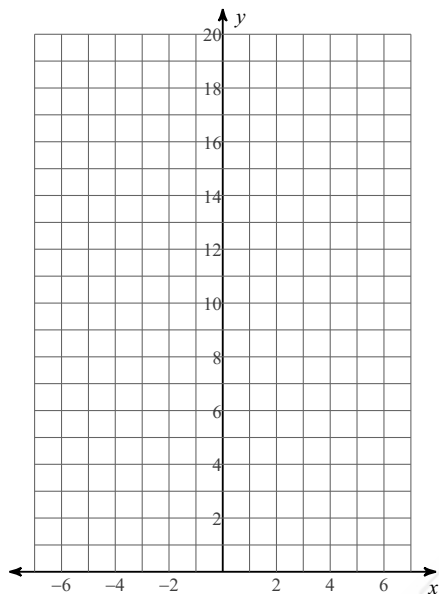
Name _____

© 2017 Kuta Software LLC. All rights reserved.

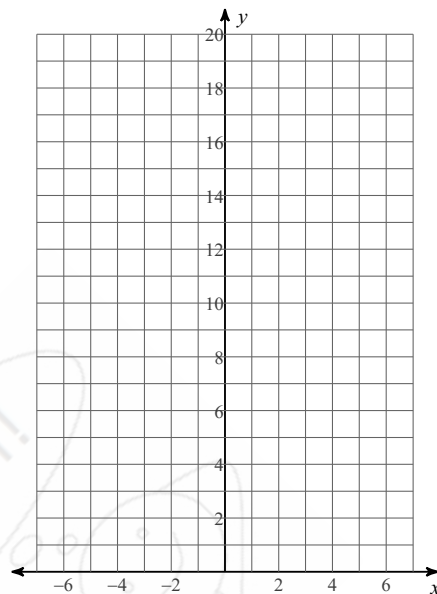
Date _____

Sketch the graph of each function.

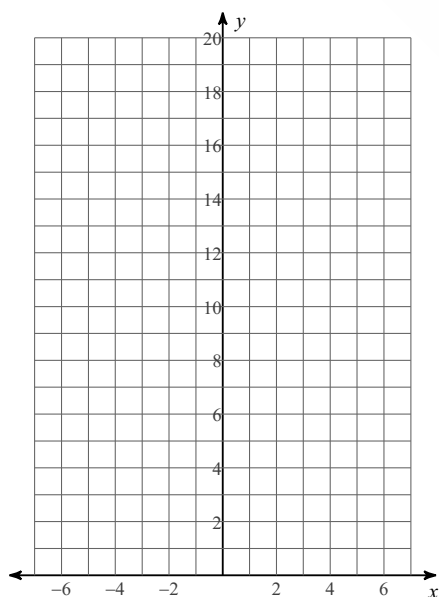
1) $f(x) = 2 \cdot \left(\frac{1}{2}\right)^x$



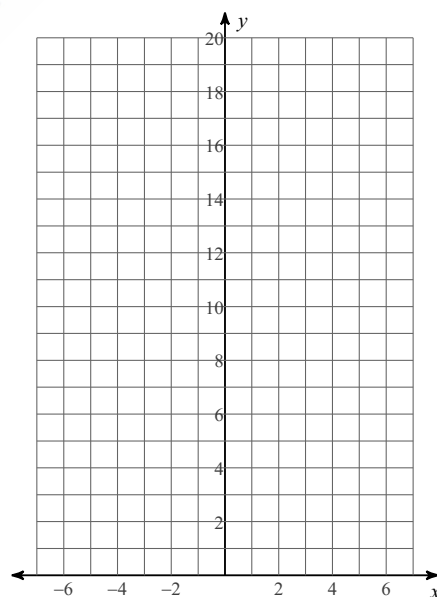
2) $f(x) = \frac{1}{3} \cdot \left(\frac{1}{3}\right)^x$



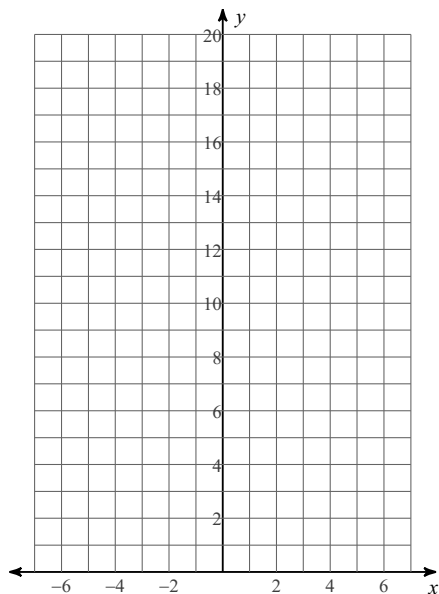
3) $f(x) = \frac{1}{4} \cdot \left(\frac{1}{5}\right)^x$



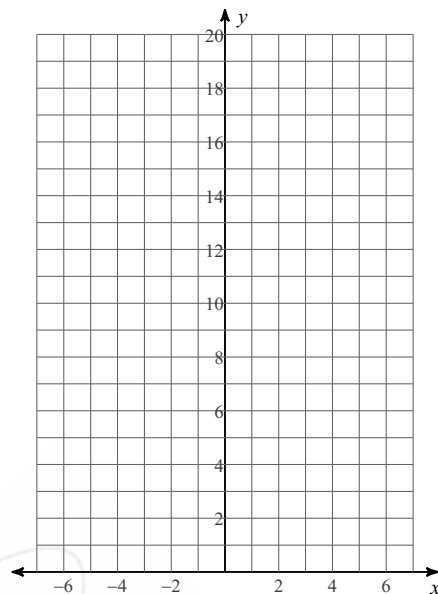
4) $f(x) = \frac{1}{4} \cdot \left(\frac{1}{3}\right)^x$



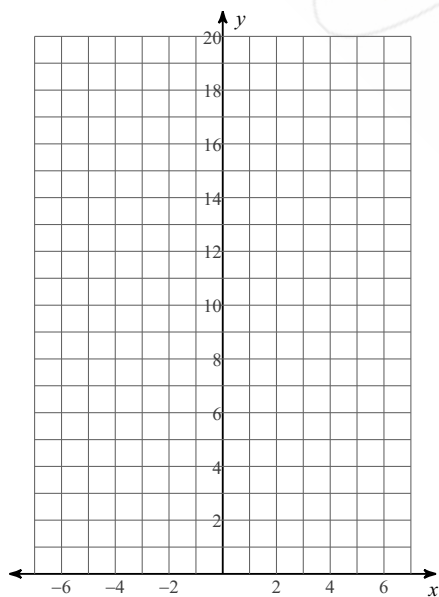
5) $f(x) = 3 \cdot \left(\frac{1}{2}\right)^x$



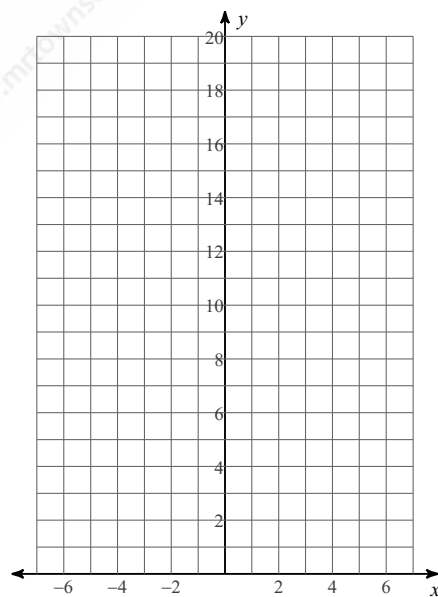
6) $f(x) = 5 \cdot \left(\frac{1}{2}\right)^x$



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

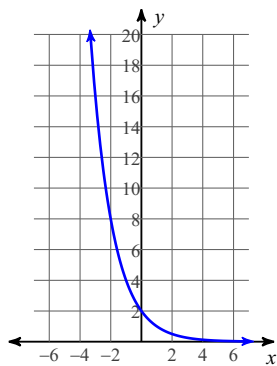


8) $f(x) = 4 \cdot \left(\frac{1}{2}\right)^x$

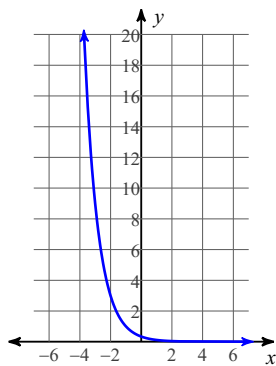


Answers to Graphing exponential decay functions

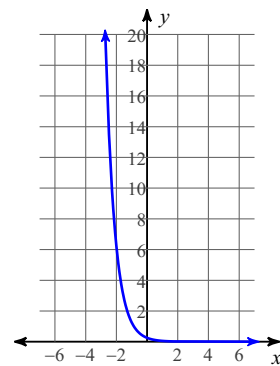
1)



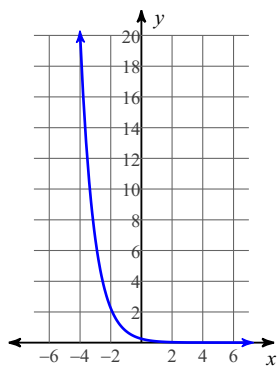
2)



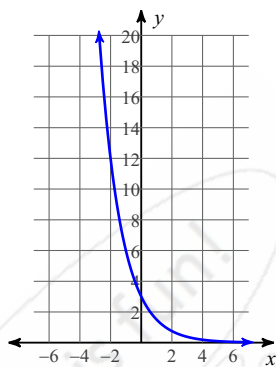
3)



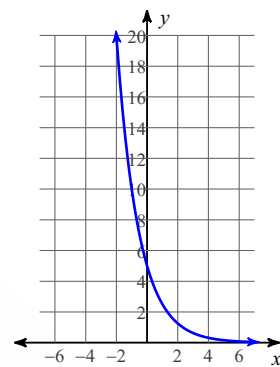
4)



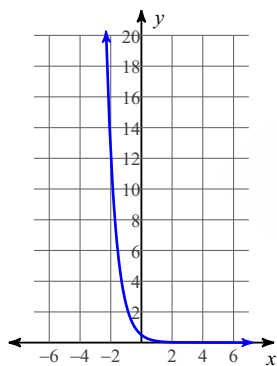
5)



6)



7)



8)

