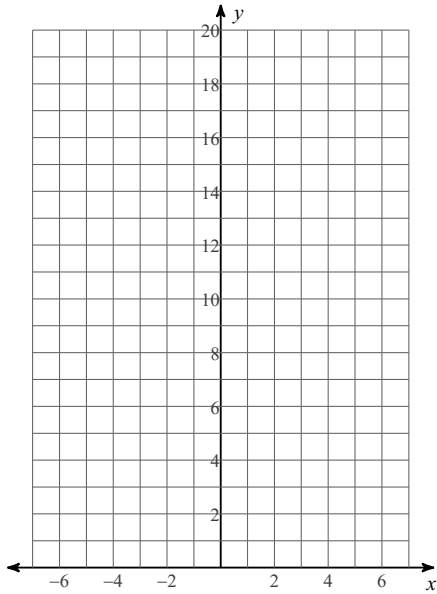


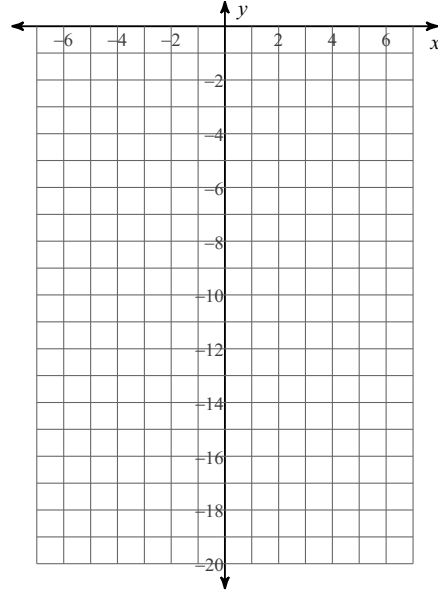
4.4 Homework

Sketch the graph of each function and give the range and end behavior.

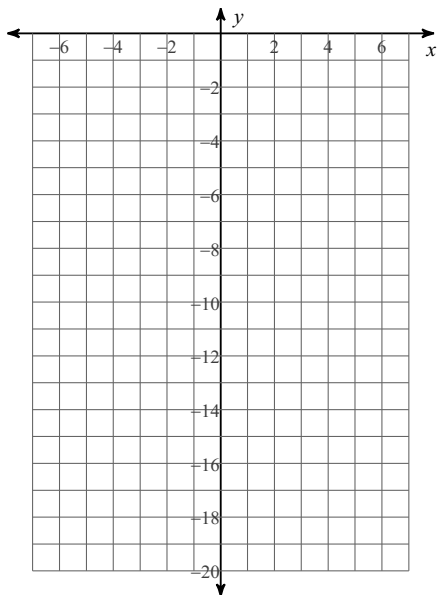
1)  $y = \frac{1}{3} \cdot 3^x + 1$



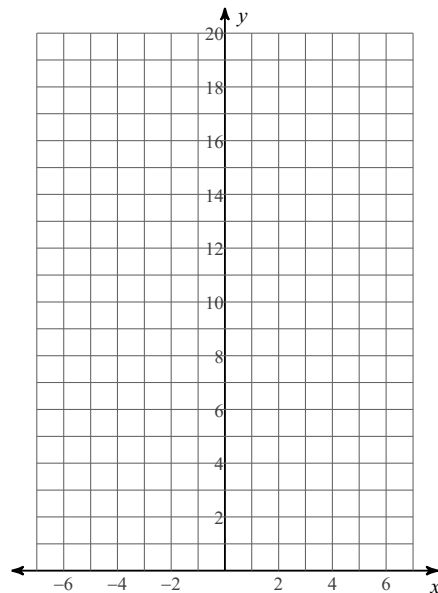
2)  $y = -4 \cdot 2^x - 2$



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



4)  $y = 3 \cdot 2^x + 1$

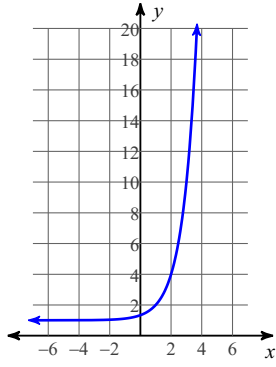


5) A forest has 200 trees in it in 2010. If the number of trees grows by 5% per year, how many trees will be in the forest by 2023?

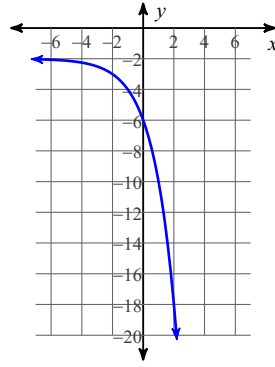
6) A neighboring forest has 900 trees in 2010. If it loses 13% of its trees every year, how many trees will be left by 2023?

# Answers to 4.4 Homework

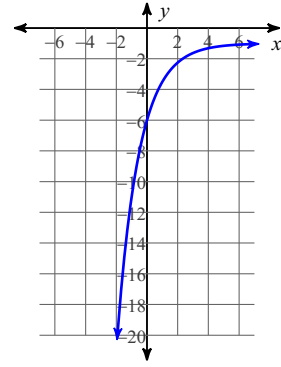
1)



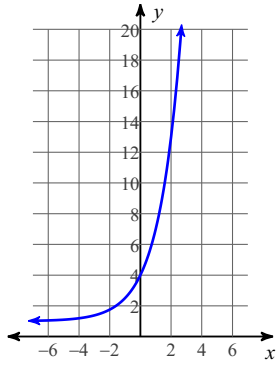
2)



3)



4)



5)

6)