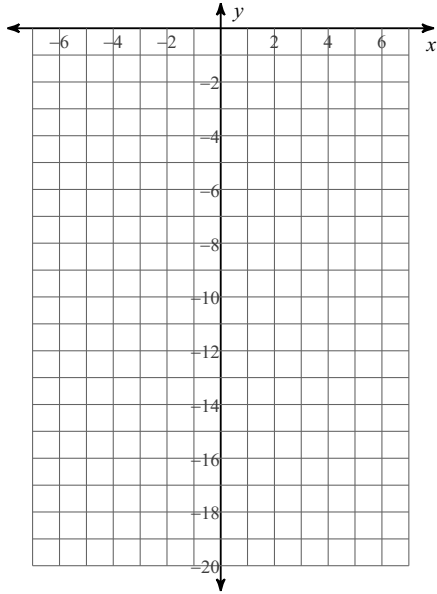


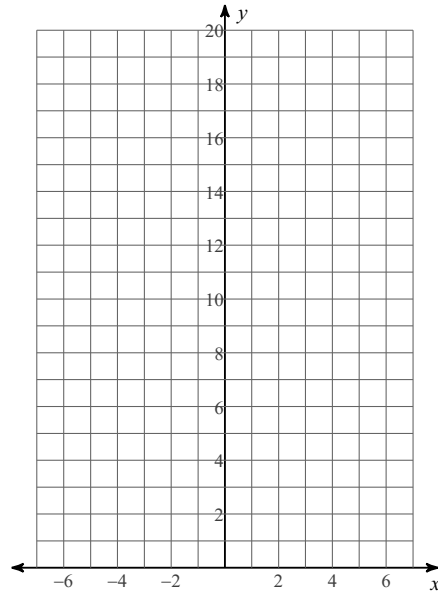
### 3.3 Homework

Sketch the graph of each function.

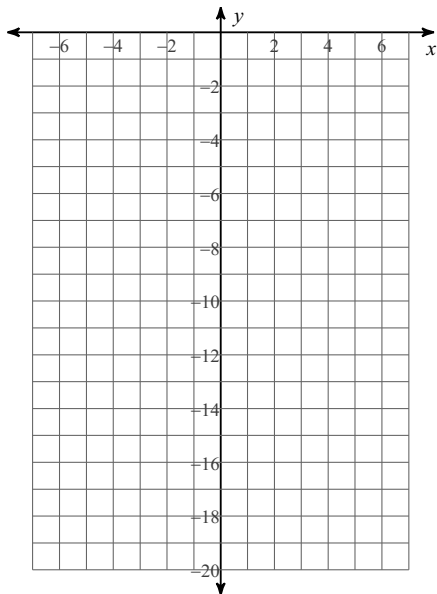
1)  $y = -5 \cdot 2^x$



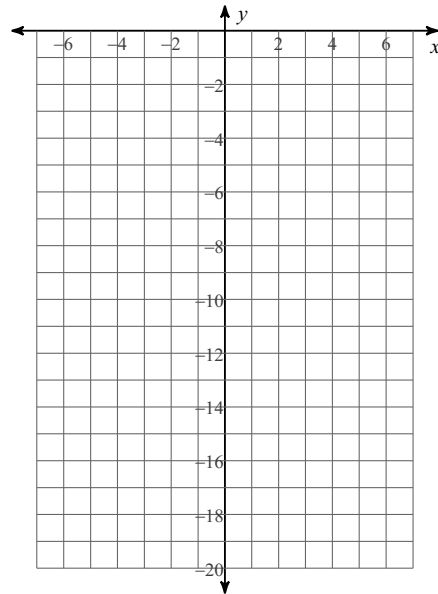
2)  $y = 5 \cdot \left(\frac{1}{2}\right)^x$



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

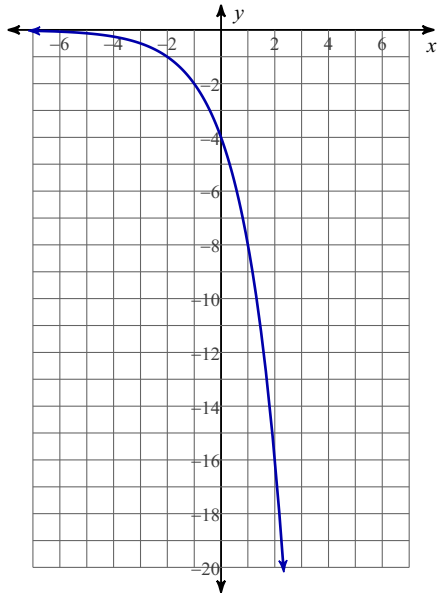


4)  $y = -3 \cdot 2^x$

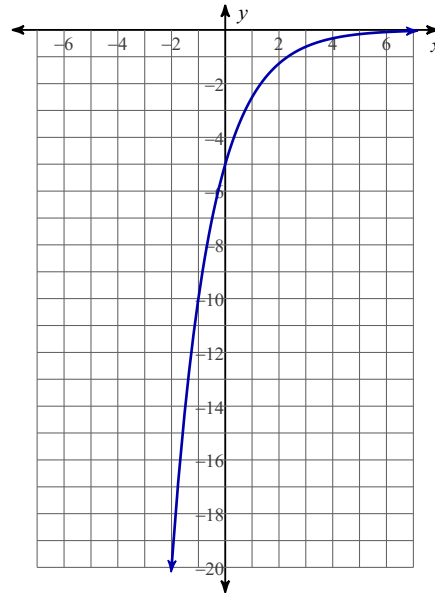


Write an equation for each graph.

5)



6)



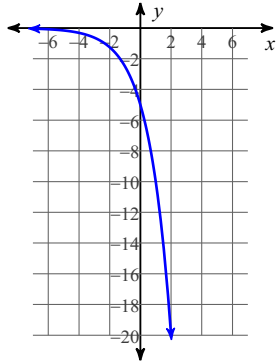
Simplify. Your answer should contain only positive exponents.

7)  $2x^3 \cdot (2x^3)^2$

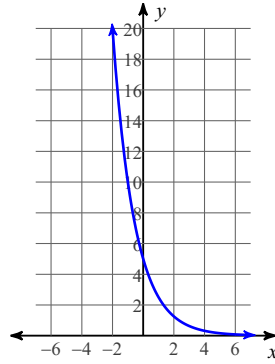
8)  $(n^4 \cdot 2n^2)^{-1} \cdot 2n$

# Answers to 3.3 Homework

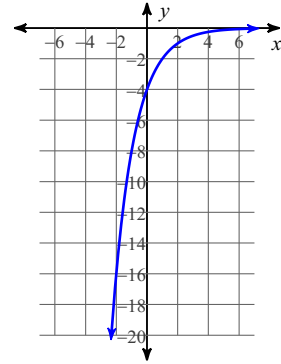
1)



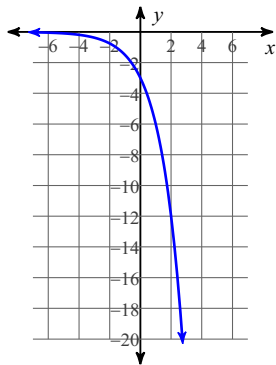
2)



3)



4)



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

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

7)  $8x^9$

8)  $\frac{1}{n^5}$