

3.4 Homework

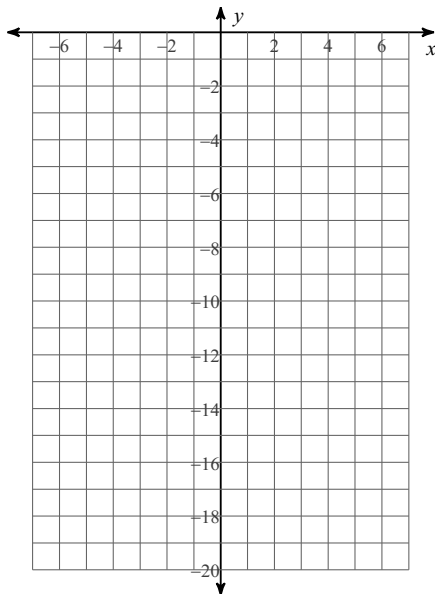
Simplify. Your answer should contain only positive exponents.

1) $\frac{2a^2 \cdot 2a^0}{(a^4)^3}$

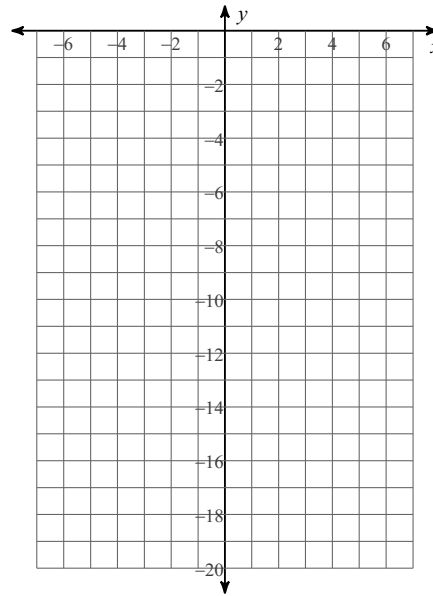
2) $\left(\frac{n^3}{n^3 n^0}\right)^4$

Sketch the graph of each function, then give its domain, range, and end behavior, and tell whether it is positive or negative, and increasing or decreasing.

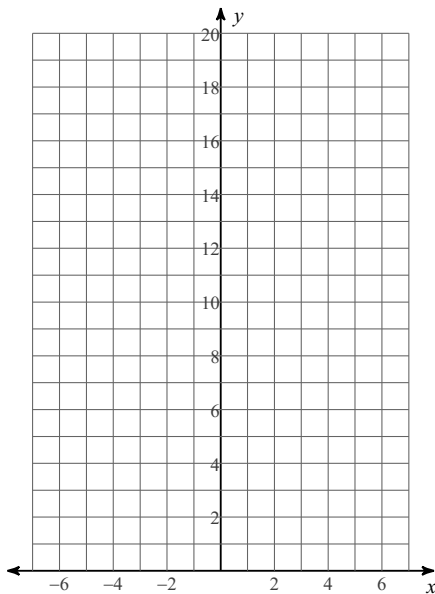
3) $y = -3 \cdot \left(\frac{1}{2}\right)^x$



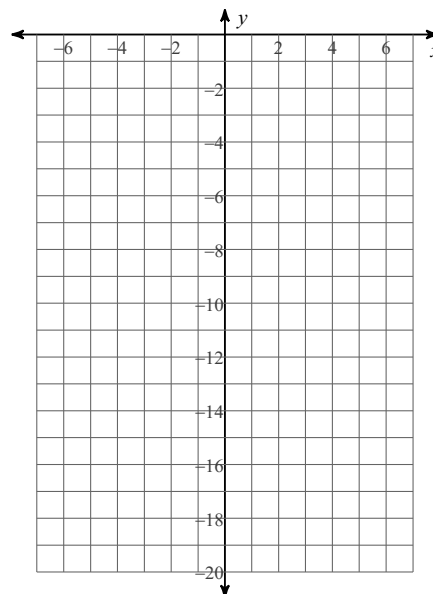
4) $y = -5 \cdot 2^x$



5) $y = 3 \cdot 2^x$



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

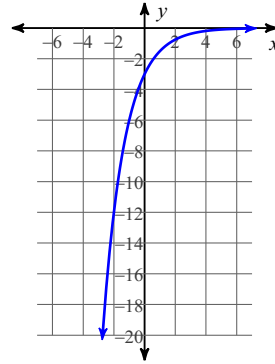


Answers to 3.4 Homework

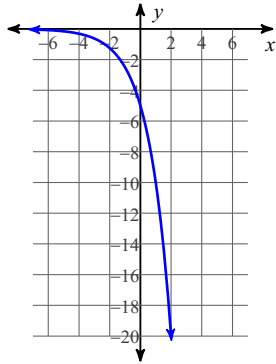
1) $\frac{4}{a^{10}}$

2) 1

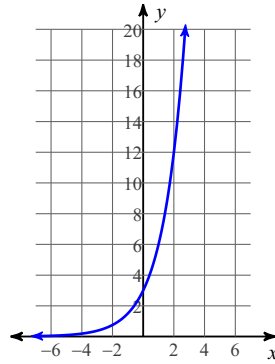
3)



4)



5)



6)

