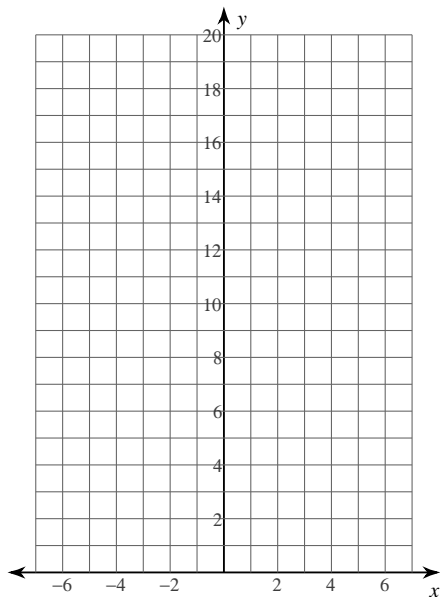


Assignment

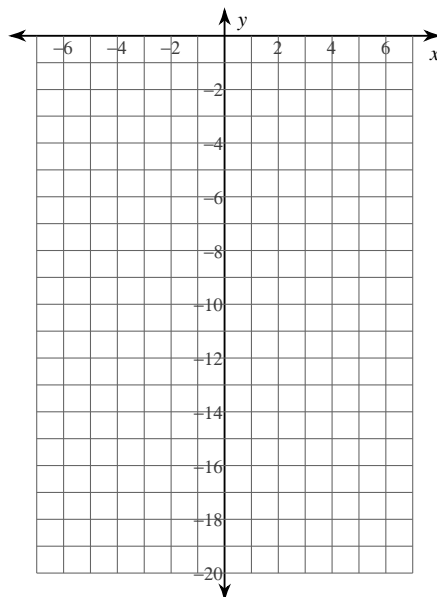
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Sketch the graph of each function.

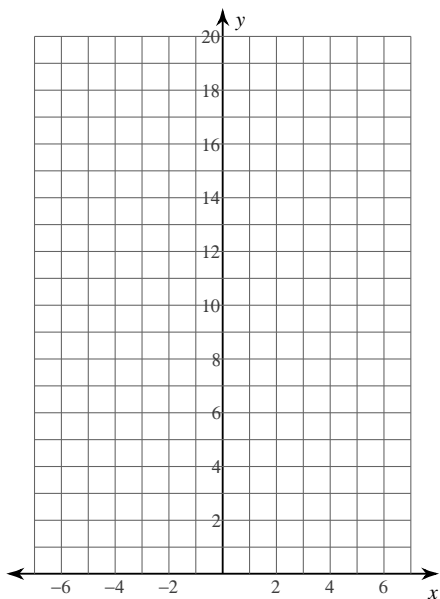
1) $y = 4^x$



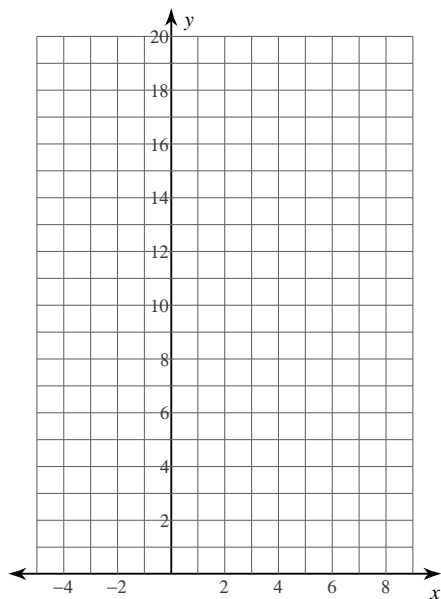
2) $y = -\frac{1}{2} \cdot 2^x$



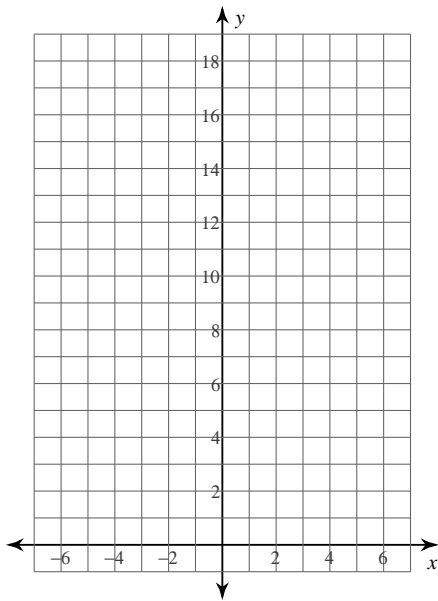
$$3) y = \frac{1}{2} \cdot \left(\frac{1}{3}\right)^x$$



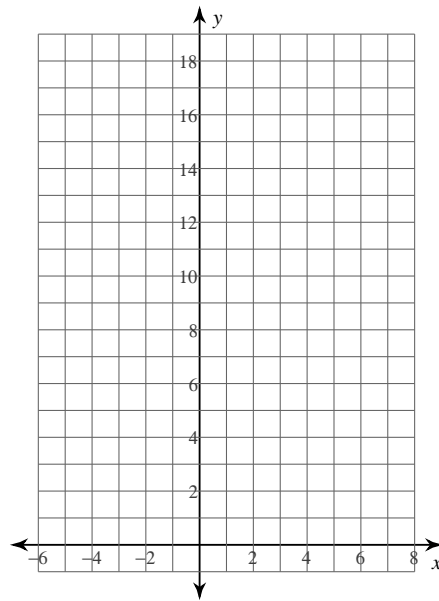
$$4) y = \frac{1}{2} \cdot \left(\frac{1}{2}\right)^{x-2}$$



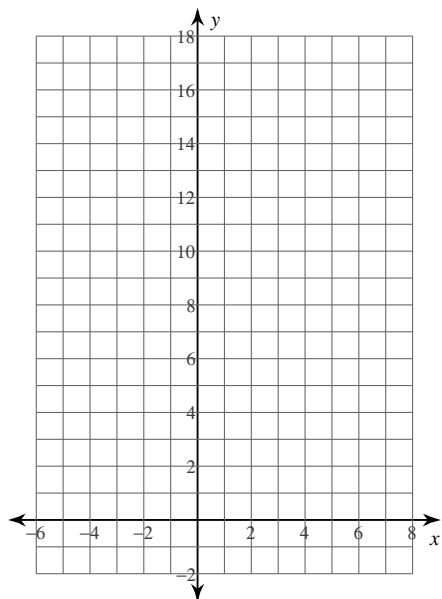
$$5) y = \frac{1}{4} \cdot \left(\frac{1}{6}\right)^x - 1$$



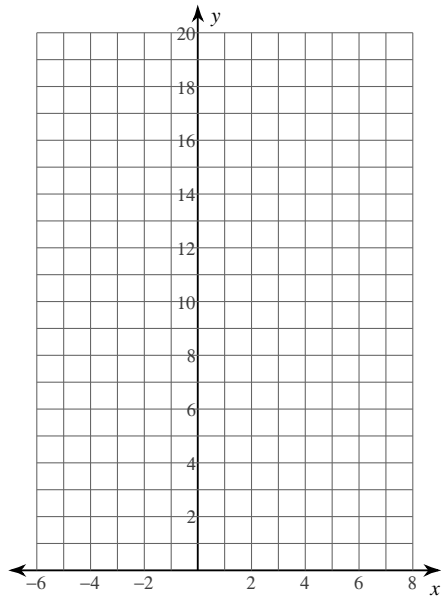
$$6) y = \left(\frac{1}{3}\right)^{x-1} - 1$$



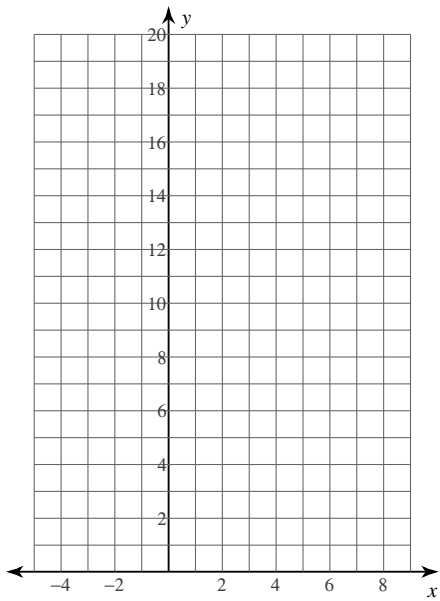
$$7) y = \left(\frac{1}{3}\right)^{x-1} - 2$$



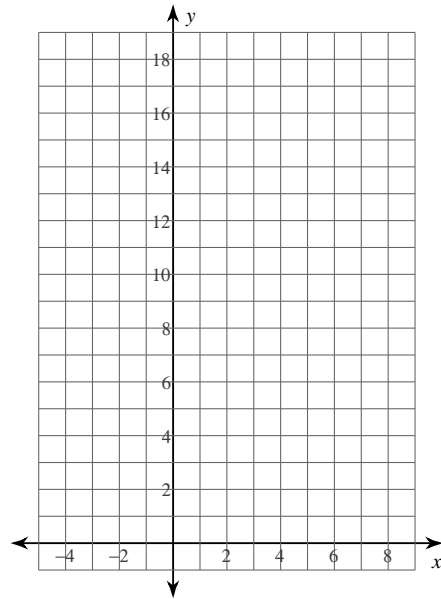
$$8) y = 3^{x-1} + 1$$



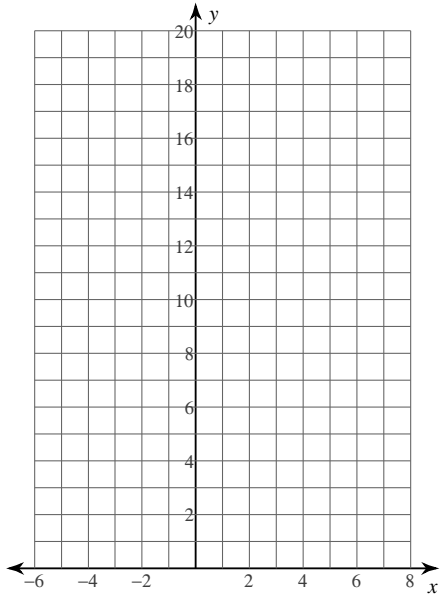
$$9) y = 5 \cdot \left(\frac{1}{2}\right)^{x-2} + 1$$



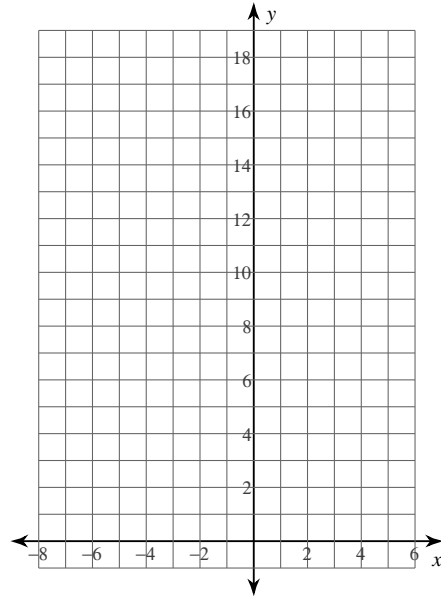
$$10) y = 5 \cdot 2^{x-2} - 1$$



11) $y = 4 \cdot 2^{x-1} + 2$

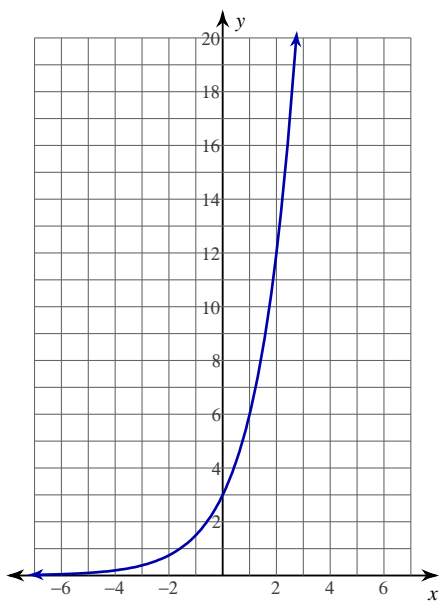


12) $y = 2 \cdot 3^{x+1} - 1$

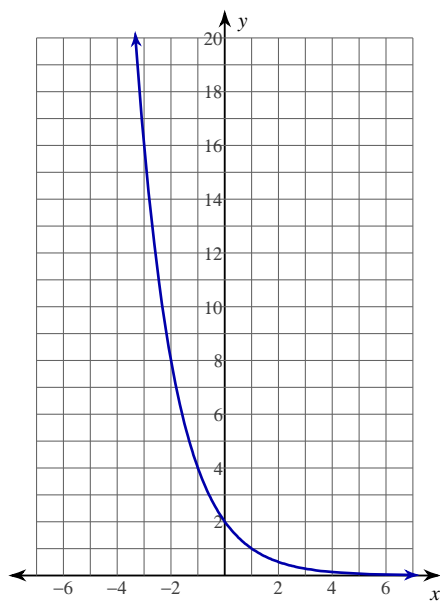


Write an equation for each graph.

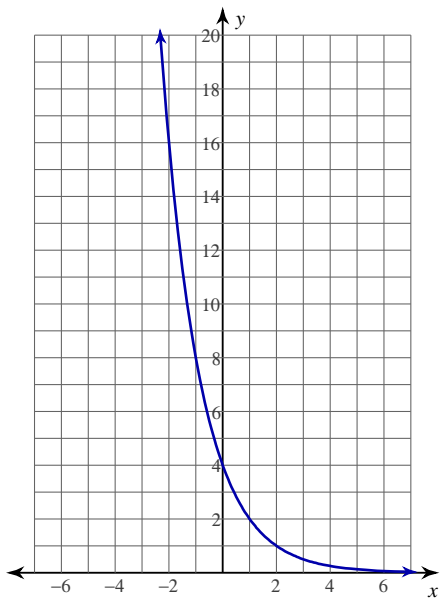
13)



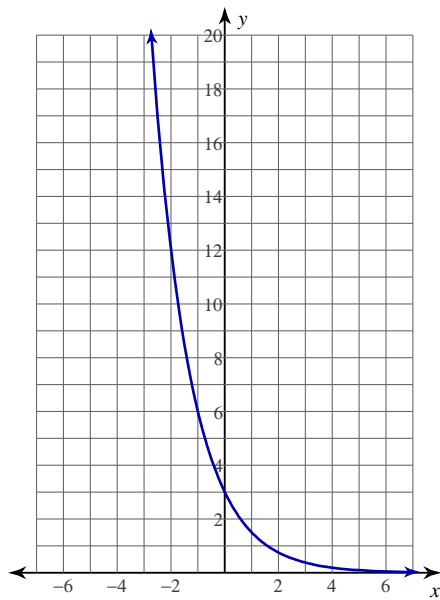
14)



15)

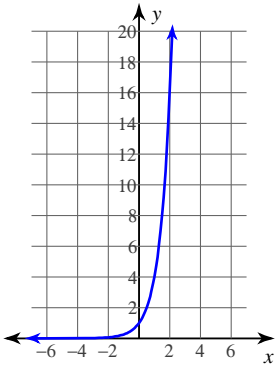


16)

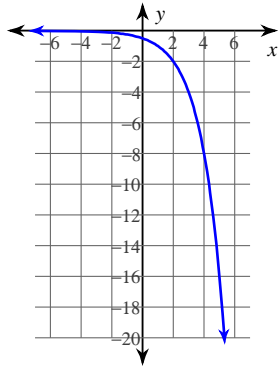


Answers to Assignment (ID: 1)

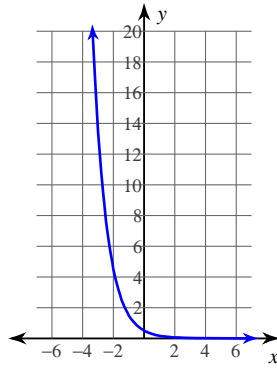
1)



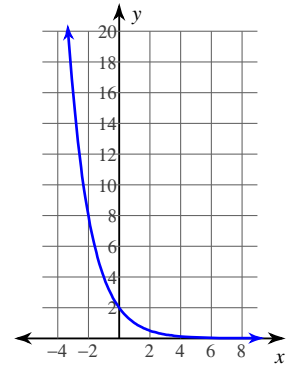
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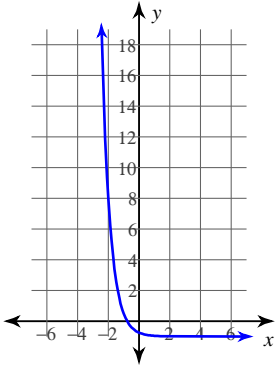
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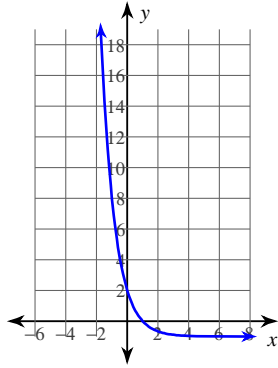
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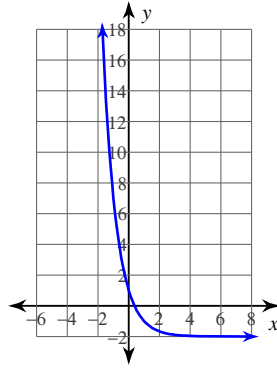
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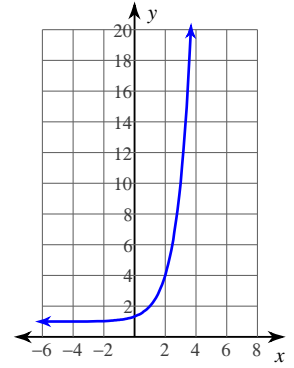
6)



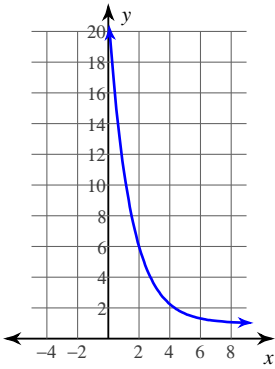
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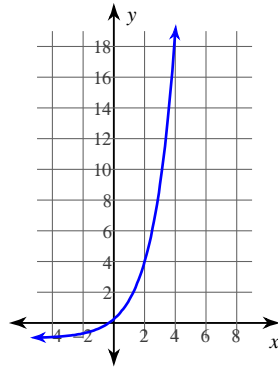
8)



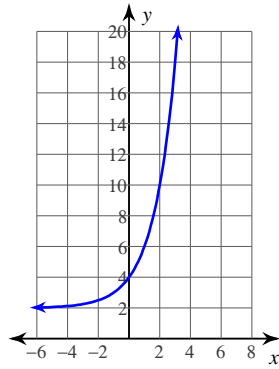
9)



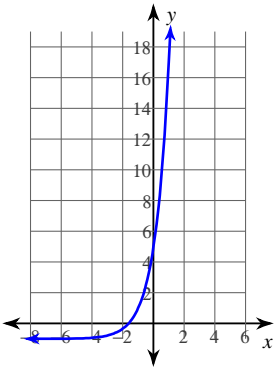
10)



11)



12)



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

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

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

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