

Exponential Graphing – Answers

1. $m(x) = 10^x$

right 3, up 12

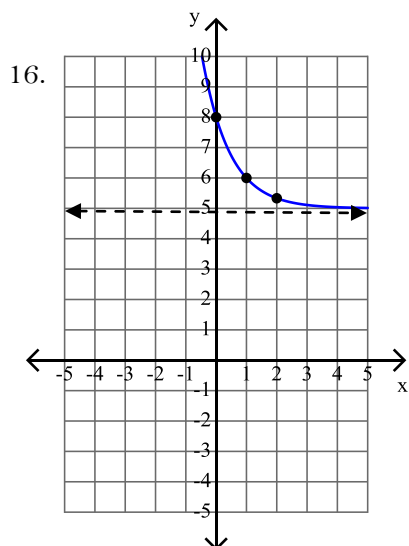
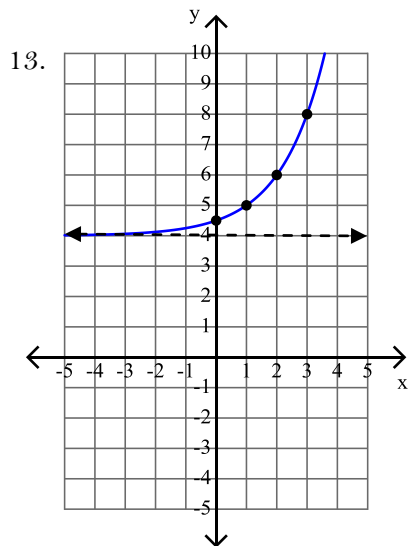
4. $r(x) = \left(\frac{1}{3}\right)^x$

vertical dilation BAFO 4

left 5, up 1

7. $a(x) = 3^{x-2} + 4$

10. $d(x) = -4^x + 6$



2. $n(x) = \left(\frac{1}{2}\right)^x$

vertical dilation BAFO 6

left 9

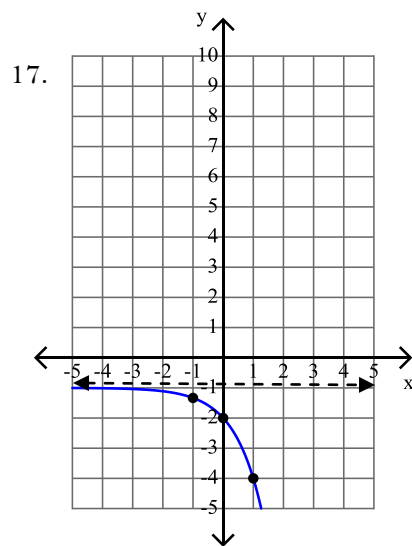
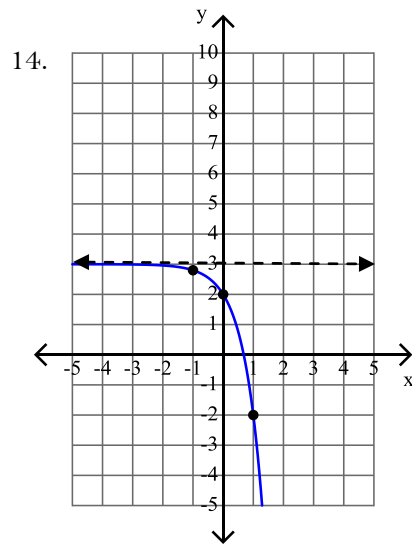
5. $s(x) = 3^x$

reflection over the x -axis

down 5

8. $b(x) = -2^{x-1}$

11. $f(x) = 2^{-(x+1)} + 5$



3. $p(x) = 2^x$

reflection over the x -axis

vertical dilation BAFO 3, up 2

6. $t(x) = \left(\frac{1}{10}\right)^x$

reflection over the x -axis

vertical dilation BAFO $\frac{1}{2}$, down 3

9. $c(x) = 10^{-x} - 3$

12. $g(x) = 5^{-x} - 3$

