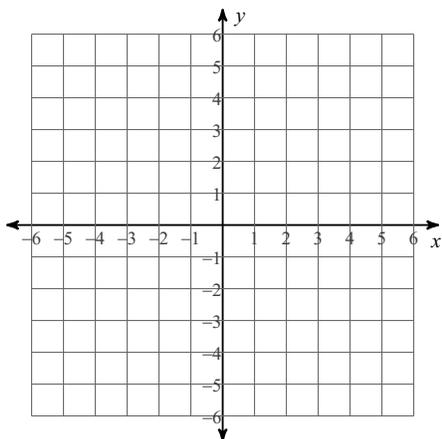


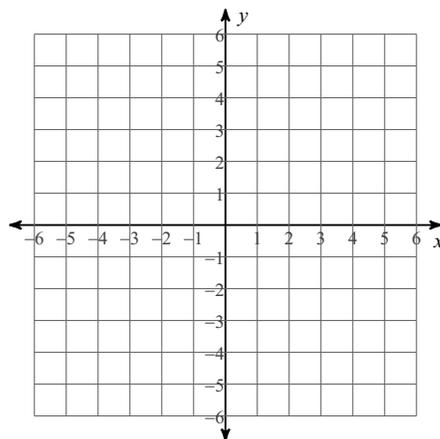
Graphing Linear & Exponential Functions

Sketch the graph of each line.

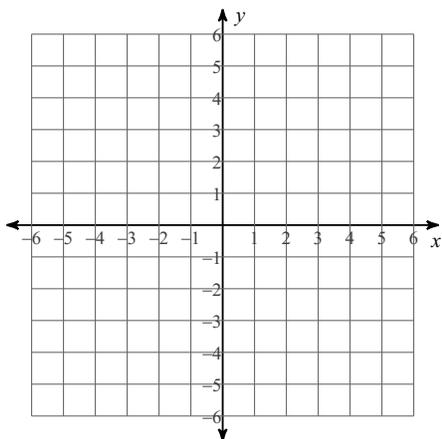
1) $y = -\frac{3}{2}x + 1$



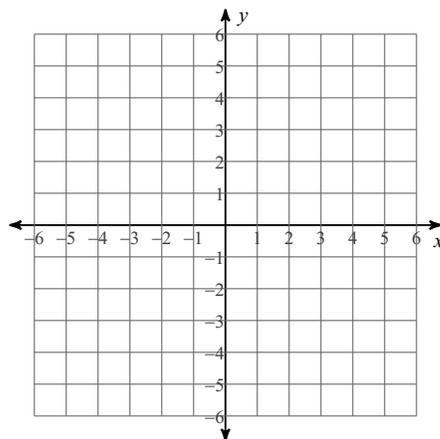
2) $y = -\frac{3}{4}x - 5$



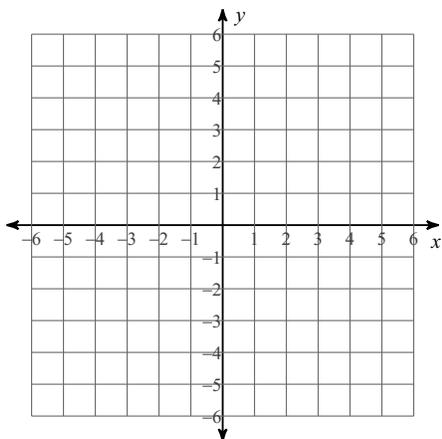
3) $y = 2x + 2$



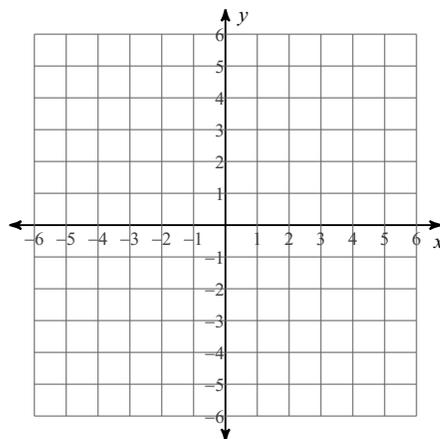
4) $y = -x - 1$



5) $y = 3$

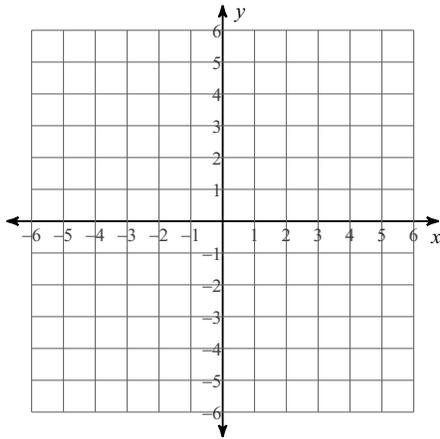


6) $2x + y = 5$

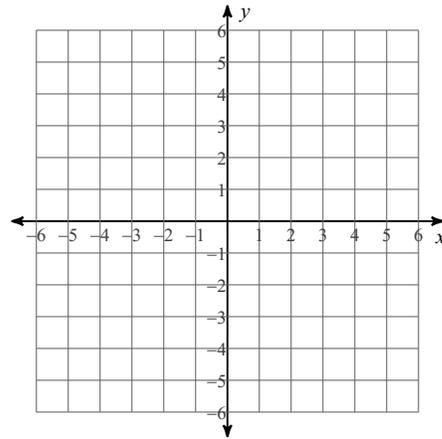


Given the x-intercept and the y-intercept, graph and write the equation of a line in slope-intercept form.

7) x-intercept = -1 , y-intercept = -3

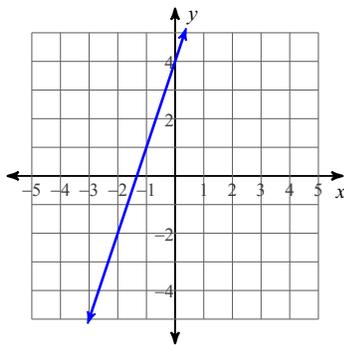


8) x-intercept = 5 , y-intercept = -5

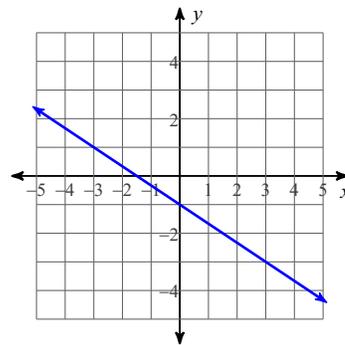


Can you find the slope and y-intercept and write the equation of a line in slope-intercept form ($y=mx+b$)?

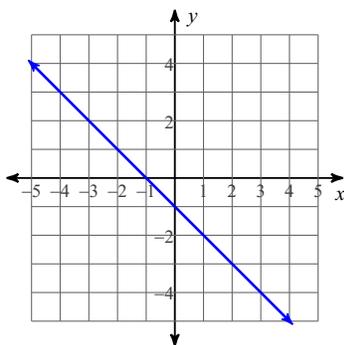
9)



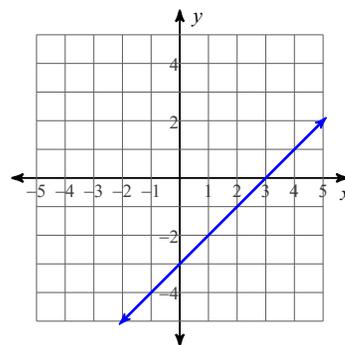
10)



11)

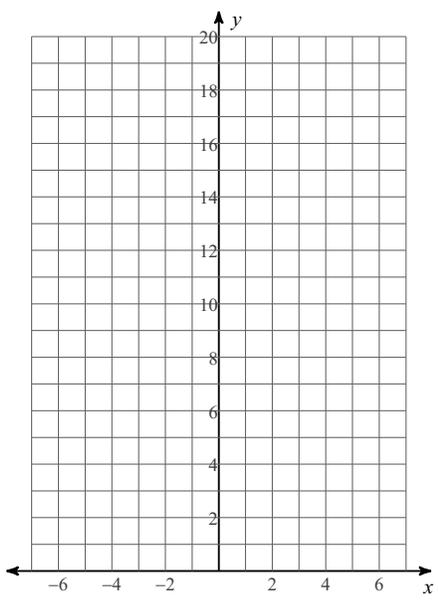


12)

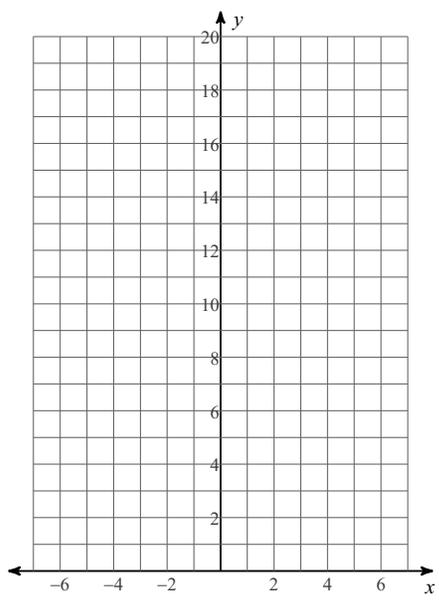


Sketch the graph of each exponential function.

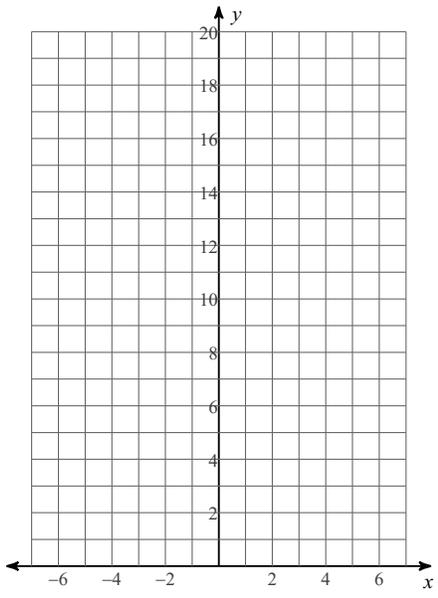
13) $y = 2 \cdot 2^x$



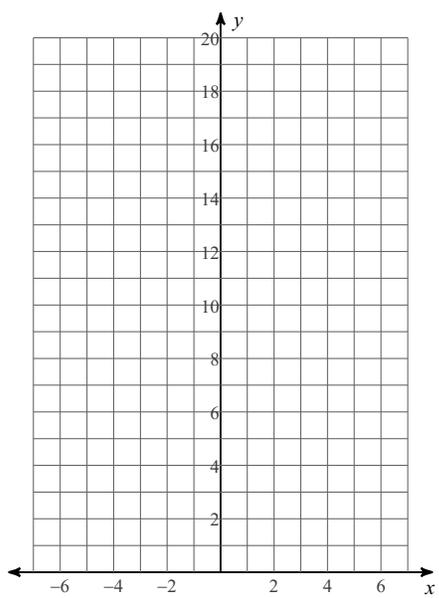
14) $y = 4 \cdot 2^x$



15) $y = \frac{1}{2} \cdot 5^x$

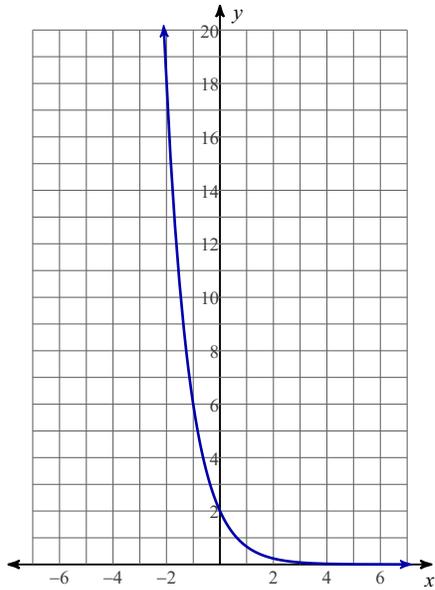


16) $y = 2 \cdot \left(\frac{1}{3}\right)^x$

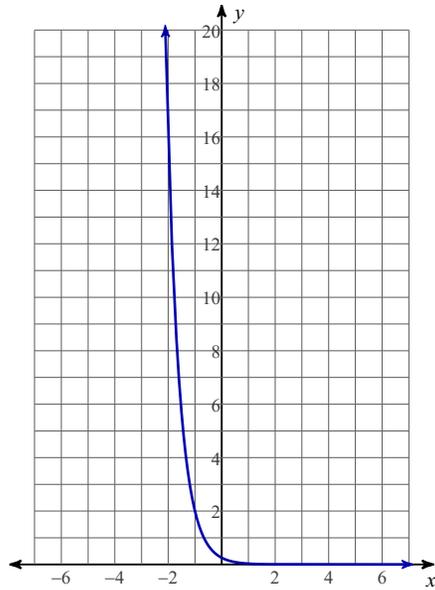


Write an equation for each graph.

17)



18)



Review: Simplify each expression.

19) $x - 1 - 8$

20) $3n - 6 + n$

21) $-4(-5n + 3)$

22) $-9(8v + 7)$

23) $-7(6 - 9m) - 10$

24) $2 - 4(1 - 8n)$

25) $-5r - 8(5r - 9)$

26) $-2(10n - 4) - 4n$