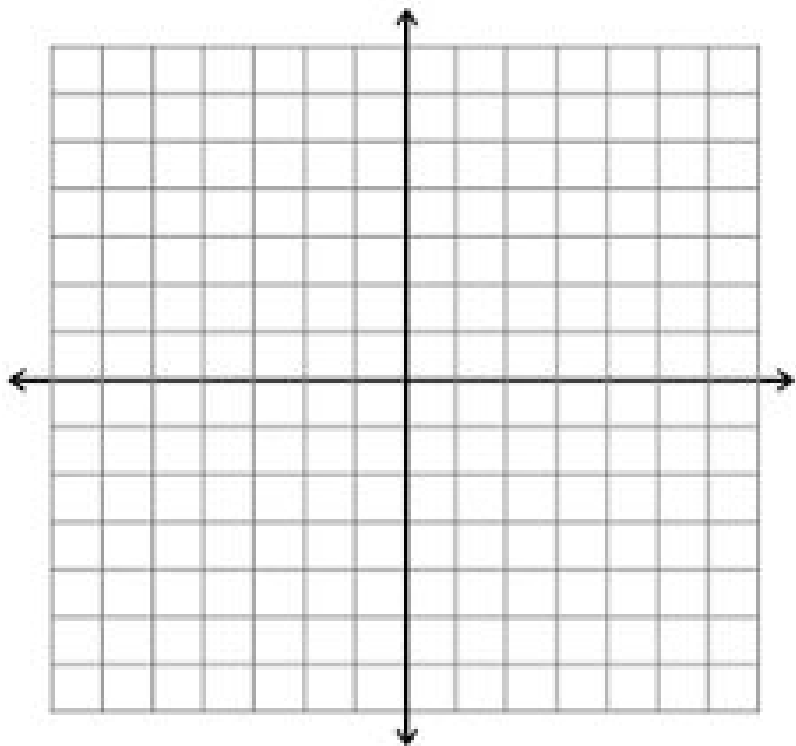
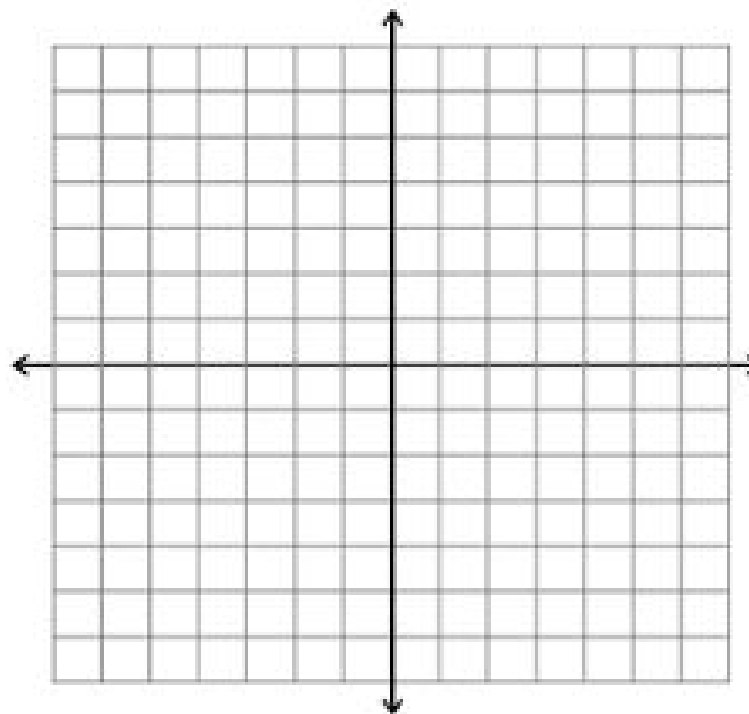


October 5, 2017

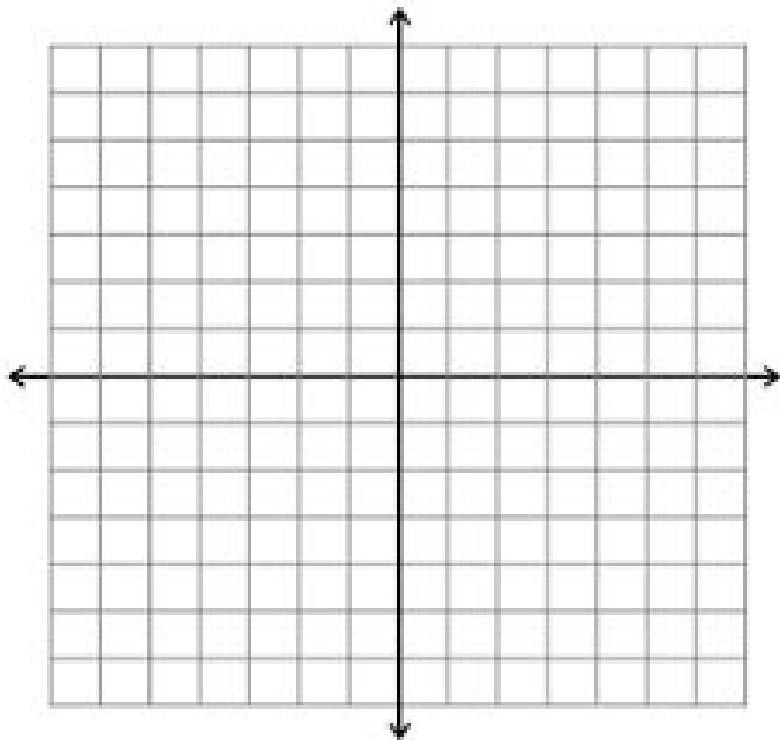
2.2: Graphing Functions

1. Graph the following function: $f(x) = \frac{1}{3}x - 2$ What does $f(6) = ?$

Mark the point on the graph as an ordered pair.

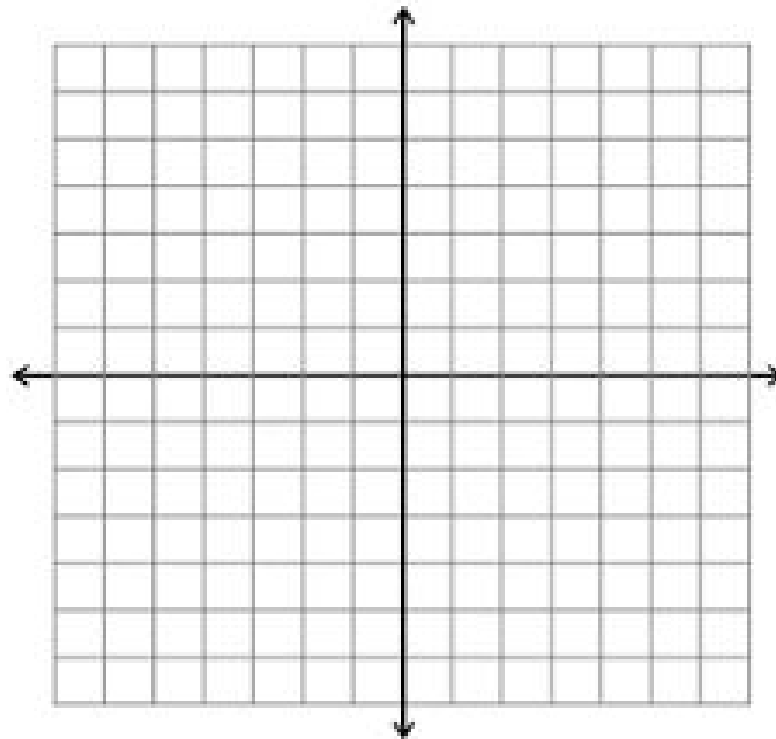
2. Graph the following function: $y = |x - 4| - 1$ What is y when $x = 3$? Mark the point as an ordered pair.

3. Graph the following function: $f(x) = x^2 + 2x - 5$
(Use a graphing calculator, or make a table)



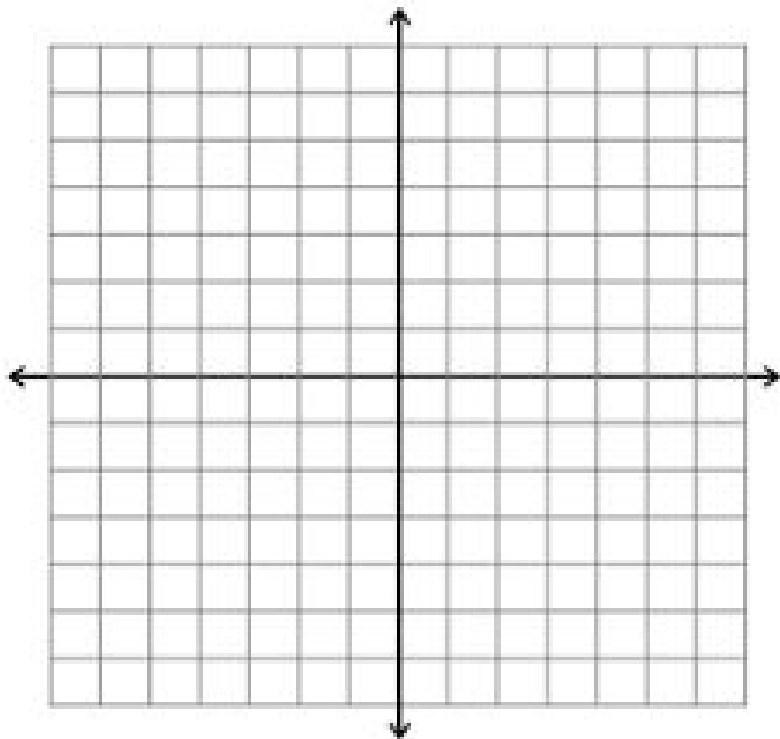
What is the value of $f(2)$? Label it on the graph.
Mark the vertex of the parabola as an ordered pair.

4. Graph the following function: $y = \sqrt{x+1} - 2$ for $x \geq -1$



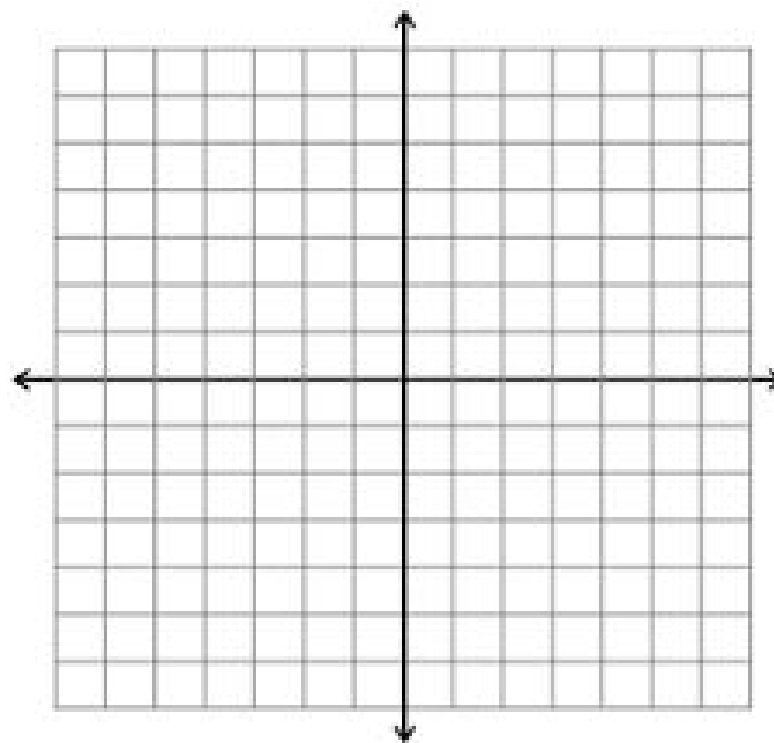
Mark the y-intercept and x-intercepts with their values.

5. Graph the following function: $f(x) = (2)^x$
Use a graphing calculator



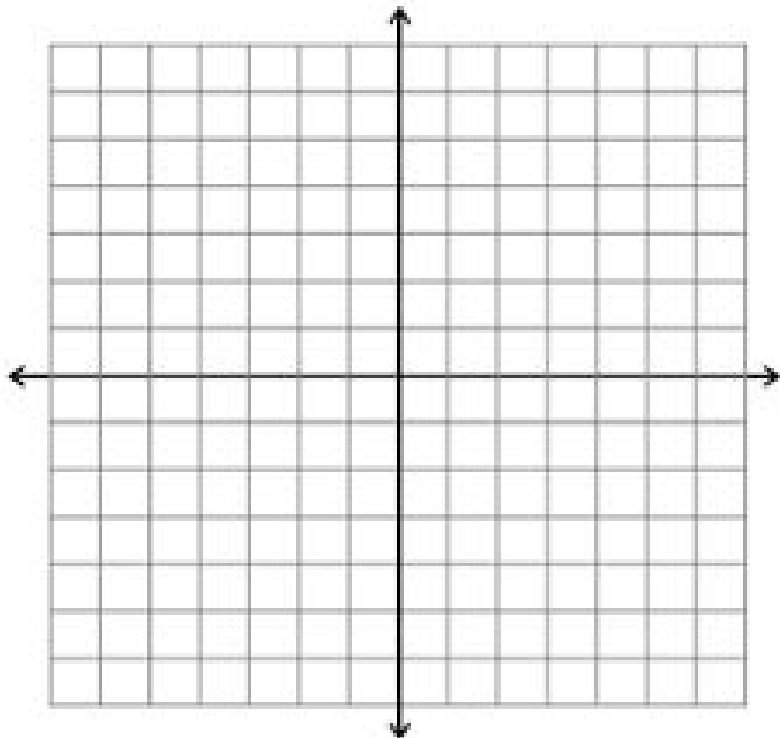
What x would make $f(x)=16$?

6. Graph the following function: $y = 2(.6)^x$



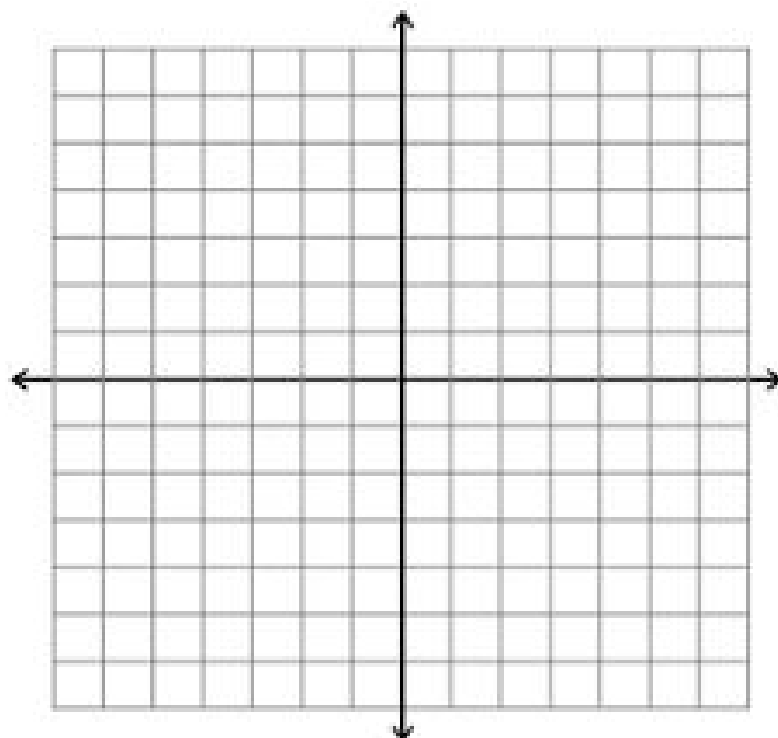
What is the value of y for $x= -2$ to the nearest tenth?

7. Graph the following function: $y = x^3 + 3$



What is the x for which $f(x) = -5$? Mark it on the graph.

8. Graph the following function: $y = 2 \log(10x) + 2$
Use a graphing calculator with a *log* key



What is the value of y for $x=4$? Mark the point on the graph.

Name: _____

11.1 IB Math SL

Exit Ticket:

+2 point Regents Problem (June 2017)

29 Graph $y = 400(.85)^{2x} - 6$ on the set of axes below.

