

Please do all your work on a separate piece of paper. Please show all setup and work!

Complete the table. Use the resulting solution to sketch a graph of the equation.

1.  $y = -2x + 5$

x	-1	0	1	2	$\frac{5}{2}$
y					

Find the x- and y-intercepts of the graph of the equation

2.  $y = 16 - 4x^2$

3.  $4x + 5y = 40$

Find any the x- and y-intercepts of the graph using algebra and then check your answers by using a graphing utility.

4.  $y = 3 - \frac{1}{2}x$

5.  $y = |x + 3|$

6.  $y = \frac{2x}{x-1}$

Graph the equation.

7.  $y = 1 - x$

8.  $y = x^2 - 2x$

9.  $y = x^3 - x + 1$

10.  $y = |x| - 3$