

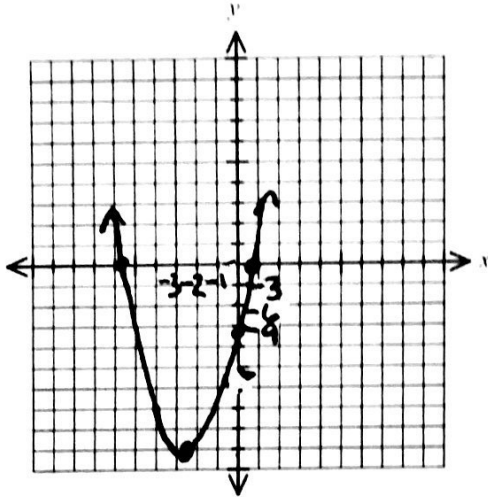
Now use the graphing calculator to sketch a graph on paper. You need at least 7 points on each graph, and please list them to the side. Adjust your scales to make it fit

2. $y = 3x^2 + 15x - 10$

Xmin = -10, Xmax = 10, Ymin = -30, Ymax = 10

- a. Vertex $(-2.55, -28.74)$
 b. x-intercept(s) $(.6, 0)$ $(-5.6, 0)$
 c. y-intercept $(0, -10)$

List Points

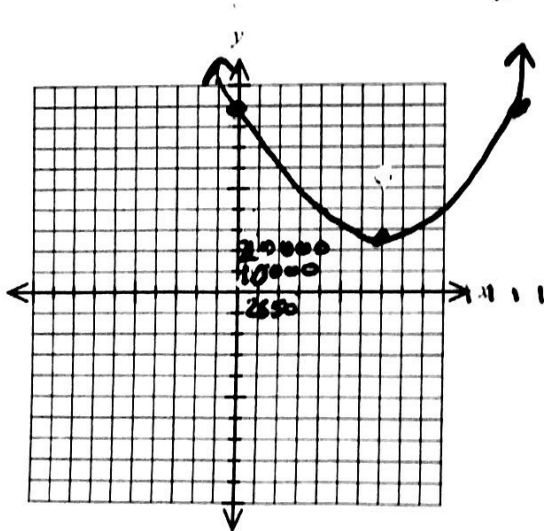


3. $y = 2x^2 - 700x + 90,000$

Xmin = -100, Xmax = 500, Ymin = 0, Ymax = 100,000

- a. Vertex $(175, 28750)$
 b. x-intercept(s) none
 c. y-intercept $(0, 90,000)$

List Points

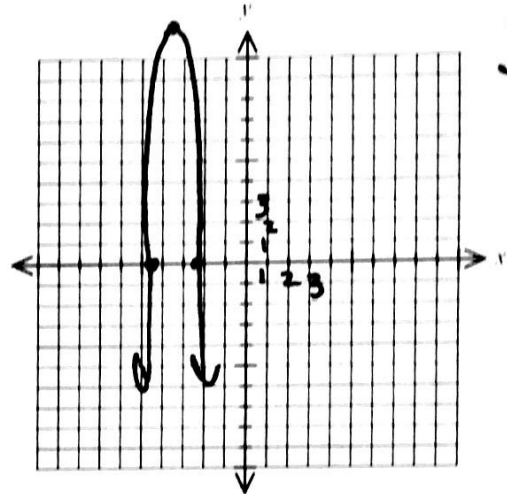


4. $f(x) = -15(x + \pi)^2 + 4\pi$

Xmin = -10, Xmax = 10, Ymin = -150, Ymax = 20

- a. Vertex $(-3.14, 12.57)$
 b. x-intercept(s) $(-2.23, 0)$
 $(-4.05, 0)$
 c. y-intercept $(0, -135.5)$

List Points



5. $y = -\frac{1}{2}(9.8)t^2 + 550t + 1.22$

Xmin = -1, Xmax = 150, Ymin = -100, Ymax = 16000

- a. Vertex $(56.12, 15434.89)$
 b. x-intercept(s) $(112.25, 0)$
 c. y-intercept $(0, 1.22)$

List points

