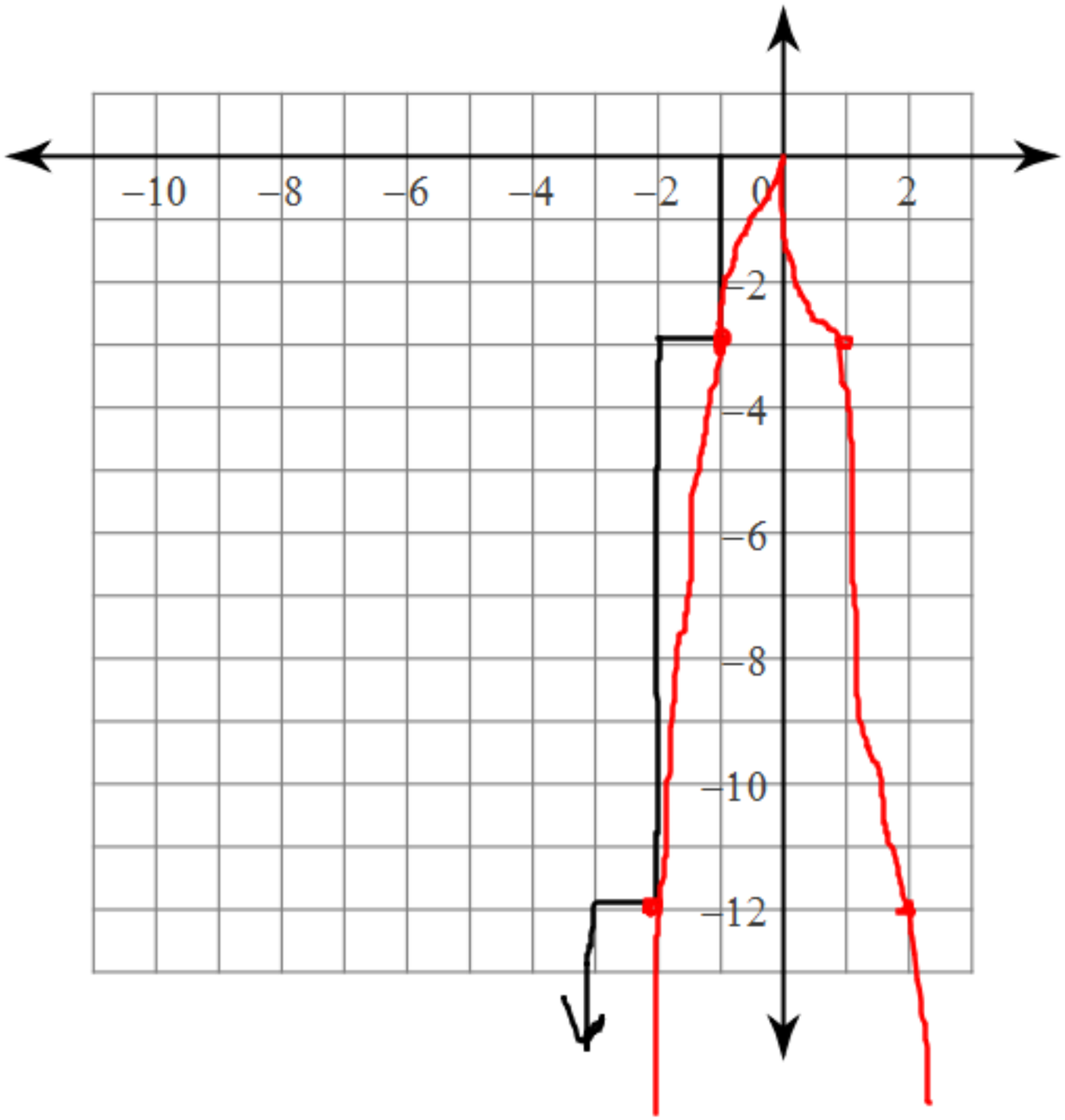
6) $y = -3x^2$



Axis of symmetry- ___where the parabola fold in half equally (

ex a.o.s $x = -1$

Vertex- the point on the parabola where it changes direction (lowest or highest point)

ex (-1, 8)

Max/min value- does the parabola have a max or min?

ex -> max value

Zeros- where the parabola crossess the X axis (aka x-intercepts, roots)

ex x-int -3 and 1

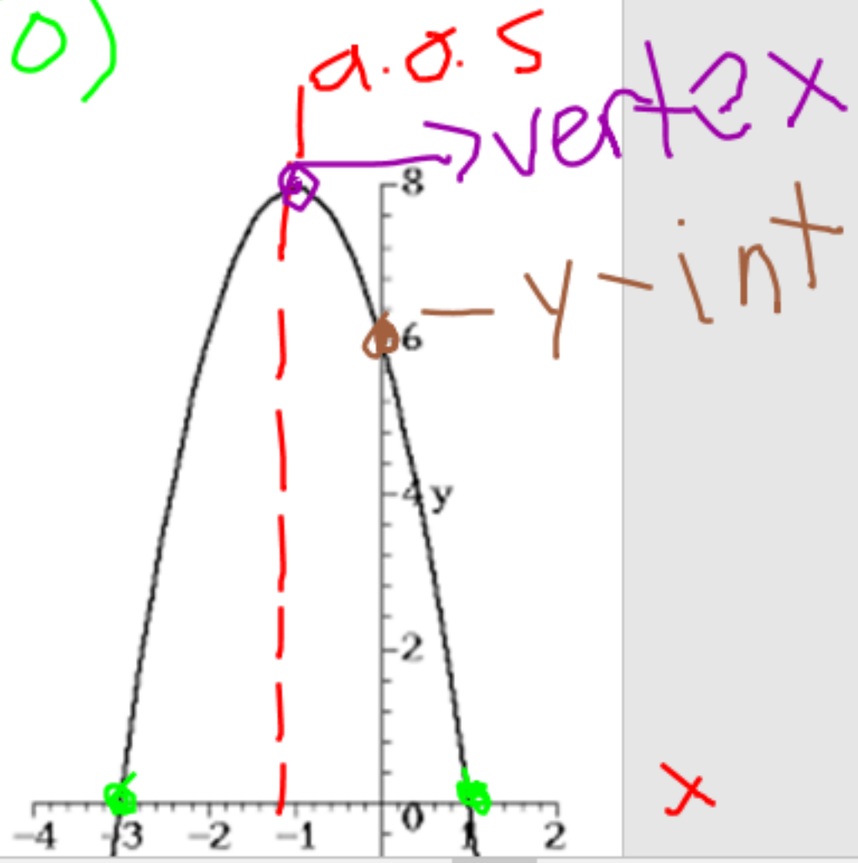
(-3, 0) (1, 0)

Y-intercept-

where the parabola crosses the Y axis

ex y-int is 6

(0, 6)

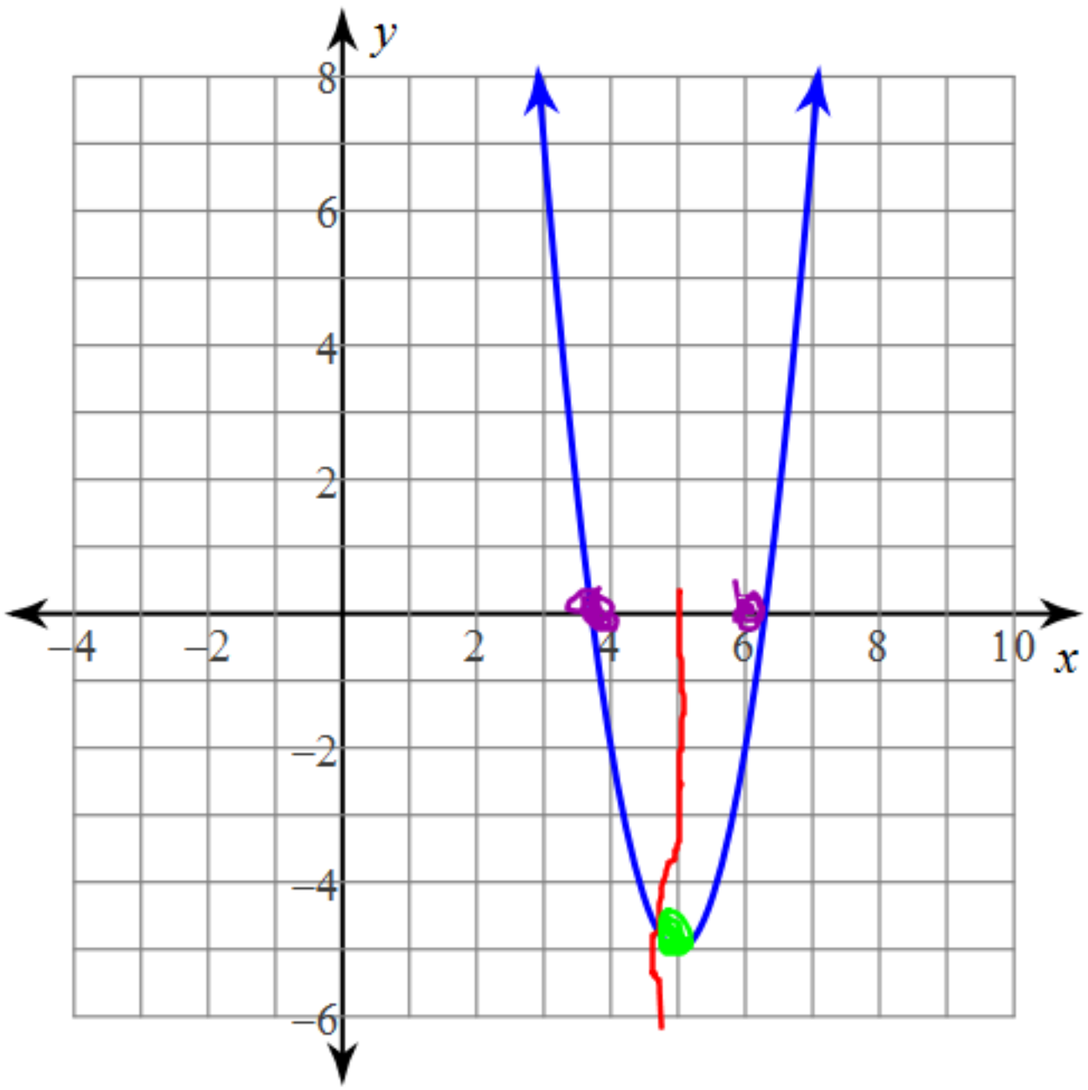


Infinite Algebra 2

Show

Use the information provided state the axis of symmetry, vertex, max/min, zeroes, and y intercept, and whether it opens up or down.

1)



a.o.s $\Rightarrow x = 5$

vertex $(5, -5)$

min

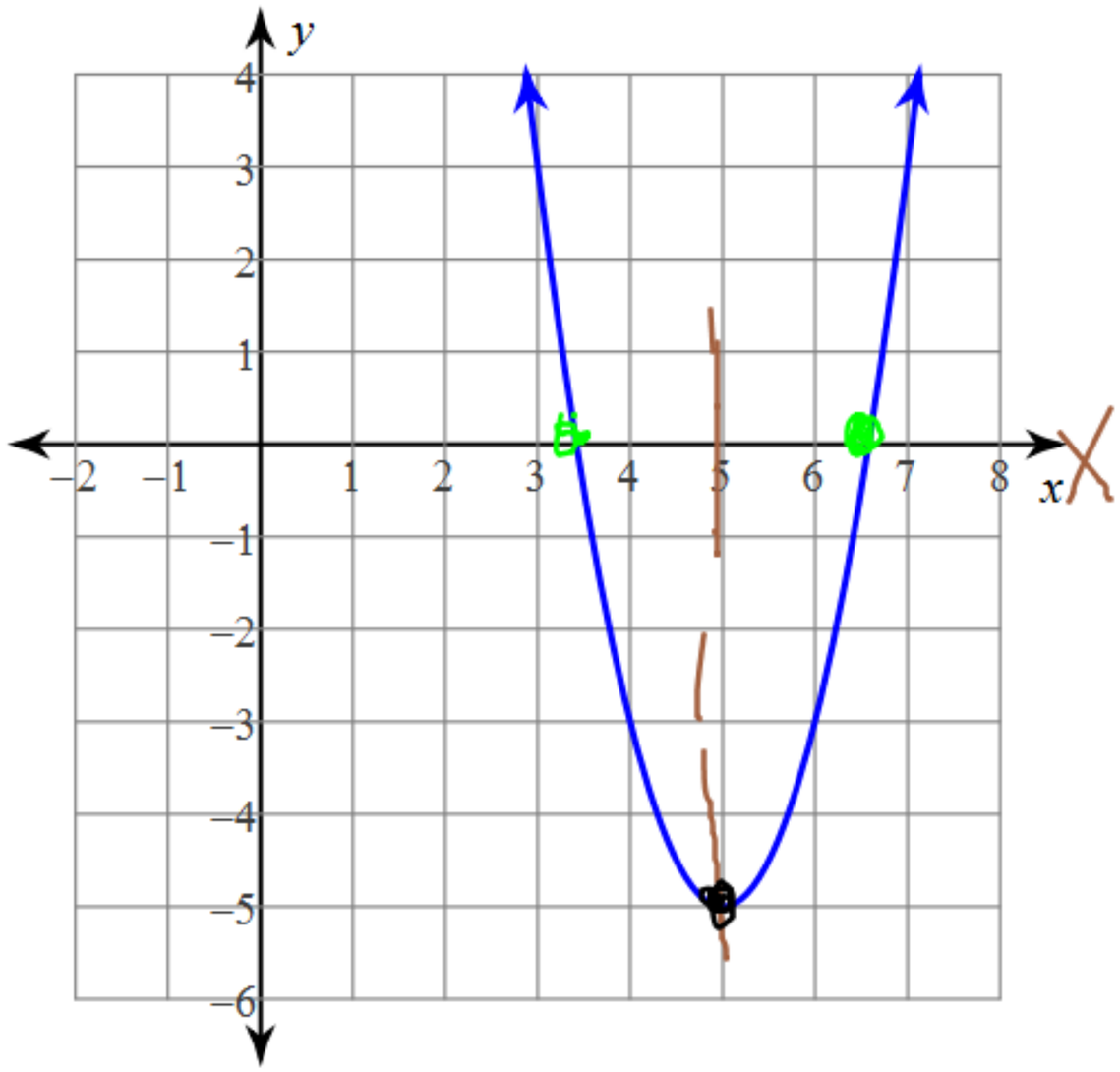
zeroes/x-int: 4 and 6 (4, 6)

y-int $\Rightarrow$ none

opens up

Use the information provided state the axis of symmetry, vertex, max/min, zeroes, and y intercept, and whether it opens up or down.

3)



4.05 → x = 5

vertex → (5, −5)

min

x-int: 3.5 and 6.5

yint: none

opens up