



Team name: \_\_\_\_\_

**Round 8**

Match each equation with its graph below. Write the letter of the matching graph on the line. Do not use a graphing utility!

\_\_\_\_\_  $y = x^2 + 2$

\_\_\_\_\_  $y = -x^2 + 2$

\_\_\_\_\_  $y = |x| + 2$

\_\_\_\_\_  $y = -|x| + 2$

\_\_\_\_\_  $y = (x - 2)^2$

\_\_\_\_\_  $y = -(x - 2)^2$

\_\_\_\_\_  $y = |x - 2|$

\_\_\_\_\_  $y = -|x - 2|$

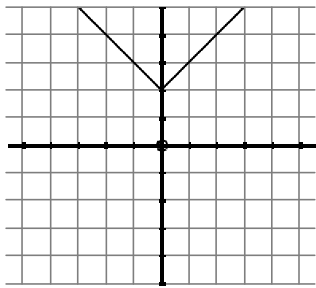
\_\_\_\_\_  $y = 2x^2$

\_\_\_\_\_  $y = -2x^2$

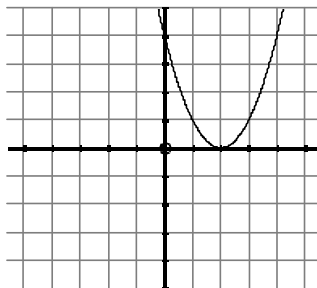
\_\_\_\_\_  $y = 2|x|$

\_\_\_\_\_  $y = -2|x|$

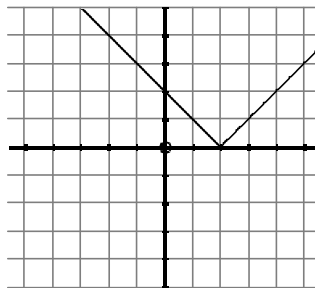
a)



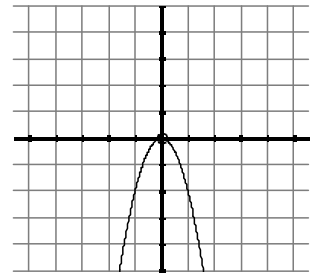
b)



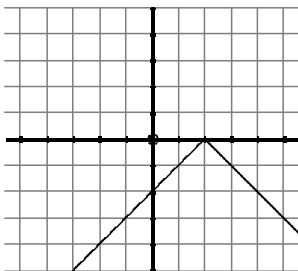
c)



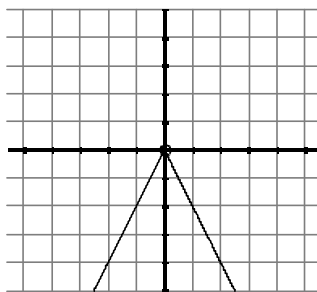
d)



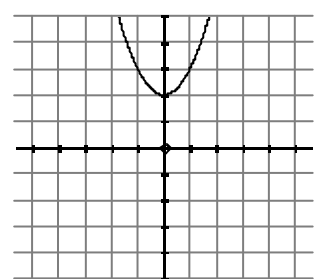
e)



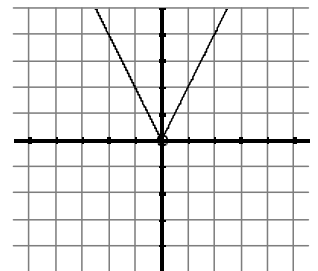
f)



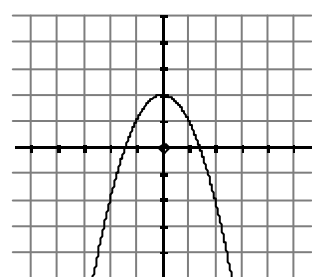
g)



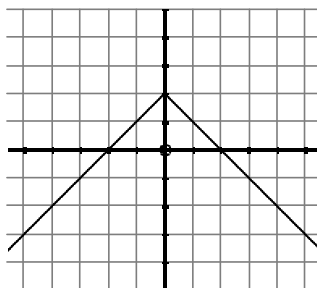
h)



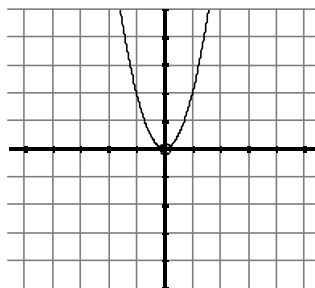
i)



j)



k)



l)

