

Name _____

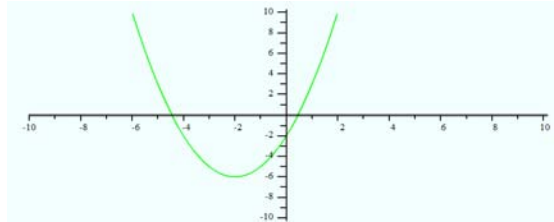
Date _____

Graphing Polynomial Functions - Matching Worksheet

Write the letter of the answer that matches the problem.

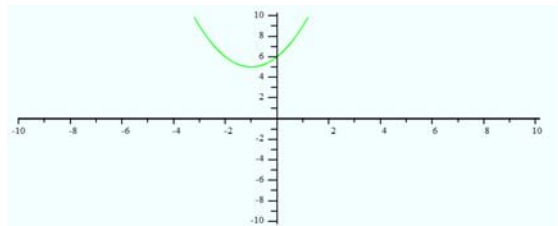
_____ 1. Sketch the graph
 $x^2 + 2x + 6$

a.



_____ 2. Sketch the graph
 $x^2 - 3x + 5$

b.

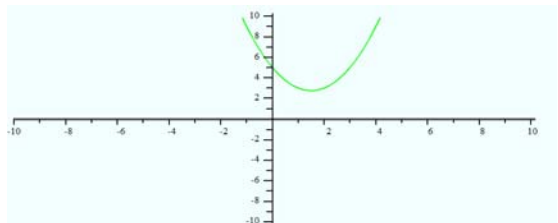


_____ 3. Sketch the graph
 $x^2 + 4x - 2$

c. Max # Turns: 1, # Real Zeros: 2,
Real Zeros: 3.9, 1.8

_____ 4. What is the maximum
number of turns a graph of
this function could make?
State the number of real
zeros.
 $x^2 + 3x - 3$

d.



_____ 5. What is the maximum
number of turns a graph of
this function could make?
State the number of real
zeros.
 $x^2 + 4x - 4$

e. Max # Turns: 1, # Real Zeros: 2
Real Zeros: 4.9, 0.8

