

Assignment

Date _____ Period _____

On a separate sheet of graph paper, sketch the graph of each function. Identify the vertex, roots (if they exist), y-intercept and it's reflection. If no roots exist, identify one other point and it's reflection.

1) $y = (x + 3)^2 - 2$

2) $y = (x + 1)^2 - 3$

3) $y = (x - 4)^2 + 4$

4) $y = (x + 1)^2 + 4$

5) $y = x^2 - 2x - 2$

6) $y = x^2 - 6x + 7$

7) $y = x^2 - 2x + 4$

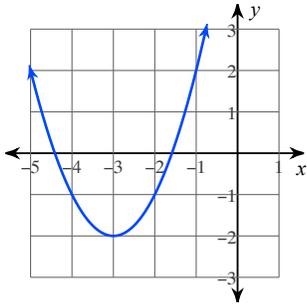
8) $y = x^2 + 4x + 2$

9) $y = x^2 - 2x + 5$

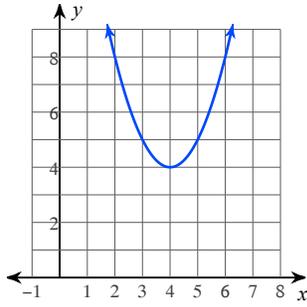
10) $y = x^2 + 6x + 7$

Answers to Assignment (ID: 1)

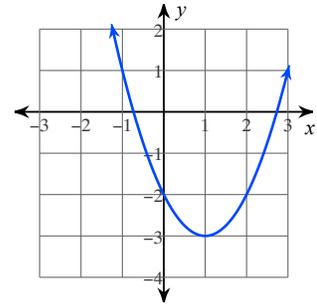
1)



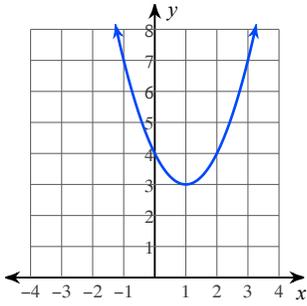
3)



5)



7)



9)

