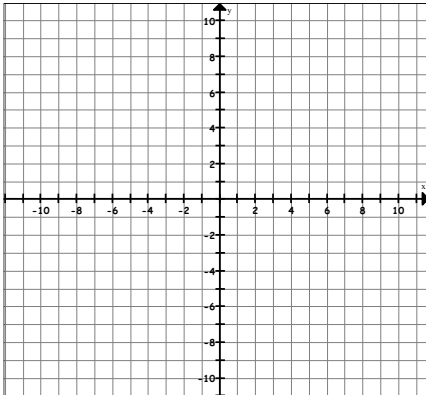


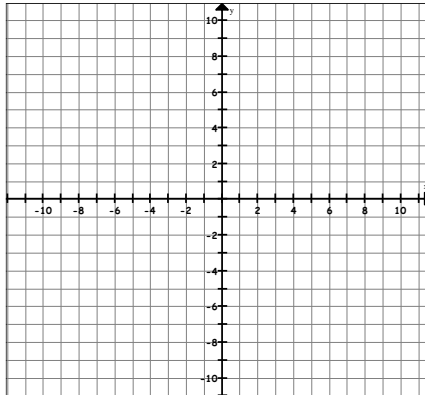
**TARGET 2: GRAPHING QUADRATIC FUNCTIONS**

**1-3: Graph each function using 5 clear points. Then state the vertex, axis of symmetry, y-intercept, domain and range in interval notation, and finally, circle the descriptive word(s)**

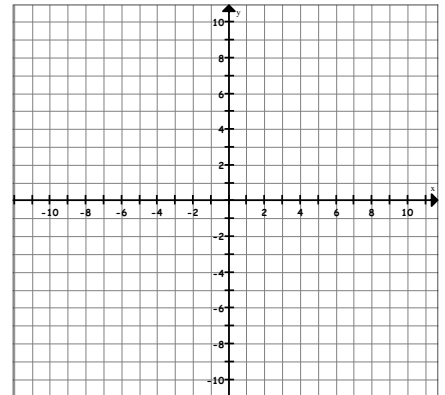
1.  $y = x^2 + 4x + 3$  (@2)



2.  $f(x) = -3(x - 2)^2 + 3$  (@2)



3.  $y = 2(x - 1)(x - 5)$  (@2)



Vertex: \_\_\_\_\_ (@1)

Axis of symm: \_\_\_\_\_ (@1)

y-intercept: \_\_\_\_\_ (@1)

Domain: \_\_\_\_\_ (@1)

Range: \_\_\_\_\_ (@1)

Circle any that apply: (@1)

Stretch Compression Reflection

Maximum Minimum

Vertex: \_\_\_\_\_ (@1)

Axis of symm: \_\_\_\_\_ (@1)

y-intercept: \_\_\_\_\_ (@1)

Domain: \_\_\_\_\_ (@1)

Range: \_\_\_\_\_ (@1)

Circle any that apply: (@1)

Stretch Compression Reflection

Maximum Minimum

Vertex: \_\_\_\_\_ (@1)

Axis of symm: \_\_\_\_\_ (@1)

y-intercept: \_\_\_\_\_ (@1)

Domain: \_\_\_\_\_ (@1)

Range: \_\_\_\_\_ (@1)

Circle any that apply: (@1)

Stretch Compression Reflection

Maximum Minimum

12

**TARGET 4: SOLVING QUADRATIC EQUATIONS BY FACTORING**

**4-6: Solve each quadratic equation by factoring.**

@3 points each

4.  $5x^2 - 15x = 0$

5.  $x^2 + 5x - 6 = 0$

6.  $x^2 = 100$

7.  $3x^2 - 14x = 5$