Algebraic Reasoning

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Per:\_\_\_\_\_

POINTS:\_\_\_\_

Classwork #18 Quiz

**Be sure to include your work when appropriate.**

**Describe the transformation of the quadratic parent function, f(x) = x2 that will result in the graph of the quadratic function given.**

1. h(x) = (x)2 – 1

2. h(x) = -2(3x + 10)2 + 3

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**Identify the domain, range, x-intercept, y-intercept and vertex of the quadratic function described by the equation shown below. Write the domain and range as inequalities, as intervals, and in set builder notation.**

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**4.** f(x) = 6(2x – 10)2 – 3

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