Algebraic Reasoning

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

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

POINTS:\_\_\_\_

Classwork #17 Quiz

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

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

1. h(x) = 3(x+ 2)

2. h(x) = -4($\frac{1}{2}$x – 3) + 4

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

3. f(x) = (2x + 3)

**4.** -3(2x + 5) + 9

5. **f(x) =** $\frac{-2}{5}$**(x + 8)**

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