$\qquad$ Date: $\qquad$

### 2.2 Quadratic Equations from Statements

Use the vertex form of a quadratic equation to write the equation that matches the following statements. If need draw a picture to help illustrate the statement.

| 1. The area of a square with side length <br> x, the area is multiplied by 3. | 2. The area of a square with side length <br> x, the area is multiplied by $1 / 2$ |
| :--- | :--- |

