## **Mastery Check**

1) Convert the quadratic function to standard form.

$$\mathbf{f}(\mathbf{x}) = 2\mathbf{x}^2 + 8\mathbf{x} + 7$$

**2)** Find the Axis of Symmetry, the vertex, and the x-intercepts of the quadratic function.

$$\mathbf{f}(\mathbf{x}) = -\mathbf{x}^2 + 6\mathbf{x} - \mathbf{8}$$