

Name: _____ Block: _____

3. Given the parabola: $f(x) = 2x^2 + 4x - 15$
- Find the axis of symmetry of $f(x)$ by **completing the square** (no shortcut allowed!)
 - Find the x-intercepts of $f(x)$ (*give exact answers*)

4. Given the parabola: $f(x) = -\frac{1}{2}x^2 + 2x - 6$
- Find the vertex of $f(x)$ by **completing the square** (no shortcut allowed!)
 - Find the x-intercepts **and** y-intercept of $f(x)$ (*give exact answers*)