Quadratic Functions Review

Solve the equation (find the x-intercepts) using the Quadratic Formula for #1-10.

1. x2 – 2x + 25 = 0
2. 4x2 – 40x = 12
3. 6x2 = -6x – 12
4. 7x2 + 28x + 56 = 0
5. 7x + 3 = -3x2
6. x2 – 9x = -8
7. 25x2 – 30x + 9 = 0
8. –x2 + 4x – 5 = 0
9. -5x2 + 3 = -10x
10. x2 + 14 = -3x

Identify the following for #11-15:

1. Axis of Symmetry
2. Vertex
3. Y-Intercept
4. Vertex Form
5. GRAPH the Function
6. f(x) = 2x2 – 4x – 6
7. f(x) = -x2 + 6x – 1
8. f(x) = x2 – 3x + 2
9. f(x) = -3x2 + 12x + 4
10. f(x) = x2 – 2x + 8