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1. Write the following quadratic equation in vertex form. Identify the vertex and tell whether the vertex is a maximum or minimum.
2. Use a symbolic method to solve the equation for *x*.
3. Solve the equation for *x* by using the quadratic formula.
4. Solve the equation for *x* by factoring.
5. Solve the equation for n.
6. Write an equation that would show the zeroes.
7. Write an equation that would tell the maximum of a function.