

Examples: Determine which method to use to solve the following quadratics and briefly explain your decision. Then solve each quadratic. Show all work and write your answer in simplest radical form.

1) $3x^2 - 6x - 12 = 0$ Method: Reason:	2) $x^2 + 10x - 24 = 0$ Method: Reason:
3) $2x^2 + 10 = -140$ Method: Reason:	4) $(x - 5)^2 + 7 = 79$ Method: Reason:
5) $x^2 - x - 72 = 0$ Method: Reason:	6) $2x^2 - 4x + 9 = 0$ Method: Reason: