<https://www.mathsisfun.com/quadratic-equation-solver.html>

**Quadratic Equation STANDARD FORM: Ax2 + Bx + C = 0**

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| ***By Factoring: 5m2 - 25m – 70***  ***(5m + 10) (m – 7) = 0***  ***So: (5m + 10) = 0***  ***or (m – 7). = 0***  ***(5m + 10) = 0 5m = -10 m = -***  ***(m – 7) = 0 = 7*** | ***5m2 - 25m – 70***  ***Factor out a “5”***  ***5(m2 – 5m – 14)***  ***5(m – 7) (m + 2)***  ***= 7 or m = -2***  ***a = 1 b = (-5) c = (-14)*** |
| ***a = (5) b= (-25) c = (-70)***    ***Calculator Formula:***  *(-(b)+(b^2-4\*a\*c)^.5)/(2\*a)* | ***Simplified: (factor out a ‘5’***  *= = =* |
| ***a2 – 8a = -16 🡪 a2 – 8a + 16 = 0***  ***(a - 4) (a – 4) = 0*** | ***a2 + 5a = -6 🡪 a2 + 5a + 6 = 0***  ***(a + 3) (a + 2)***  *= =*  *and = (-3 and -2)* |