

**Practice - solving quadratics mixed methods****Solve each equation by taking square roots.**

1)  $9x^2 - 2 = 574$

2)  $x^2 = -81$

3)  $25x^2 = 64$

**Solve each equation by factoring.**

4)  $x^2 + 6x = -8$

5)  $p^2 - 4 = 0$

6)  $5x^2 - 27x - 11 = 7$

**Solve each equation by completing the square.**

7)  $x^2 - 12x - 13 = 0$

8)  $n^2 + 18n + 88 = 6$

**Solve each equation with the quadratic formula.**

9)  $5x^2 = 7x - 2$

10)  $5 = -n^2$

11)  $2v^2 = -2v - 5$

**Factor using any quadratic method.**

12)  $2k^2 = 55 + k$

13)  $b^2 - 9 = -11$

14)  $x^2 = -3x - 2$

15)  $x^2 + 18x + 81 = -2$

16)  $5x^2 - 19x - 2 = 2$

17)  $n^2 + 4 = 6$

18)  $2a^2 + 5 = 2$

19)  $x^2 = -73 - 16x$