

12-05-16-T8 Quadratic Equation

Solve each equation by taking square roots. Do odds and evens.

1) $3p^2 + 2 = 65$

2) $3x^2 - 1 = 32$

3) $-4 - 5n^2 = -129$

4) $5m^2 + 3 = 88$

5) $25r^2 - 4 = -3$

6) $-5 - 5x^2 = -40$

7) $3n^2 + 5 = 17$

8) $4b^2 - 5 = 71$

9) $(x + 2)^2 = 16$

10) $(x - 3)^2 = 9$

11) $(x - 1)^2 = 25$

12) $(x - 4)^2 = 7$

13) $(x + 11)^2 = 13$

14) $\left(x + \frac{1}{2}\right)^2 = 9$

15) $\left(x - \frac{2}{5}\right)^2 = 25$

16) $\left(x - \frac{1}{3}\right)^2 = 9$

Answers to 12-05-16-T8 Quadratic Equation

1) $\{\sqrt{21}, -\sqrt{21}\}$

3) $\{5, -5\}$

5) $\left\{\frac{1}{5}, -\frac{1}{5}\right\}$

7) $\{2, -2\}$

9) $\{2, -6\}$

11) $\{6, -4\}$

13) $\{\sqrt{13} - 11, -\sqrt{13} - 11\}$

15) $\left\{\frac{27}{5}, -\frac{23}{5}\right\}$