

12-05-30-T8 Answers included for both odd and even.
-----**Solve each equation by completing the square. Do odds and evens.**

1) $4b^2 + 8b + 3 = 0$

2) $5v^2 - 10v - 9 = 0$

3) $5x^2 + 10x - 15 = 0$

4) $2a^2 + 4a - 6 = 0$

5) $x^2 + x - 2 = 0$

6) $n^2 + 3n - 5 = 0$

7) $3k^2 + 6k = 9$

8) $3p^2 = -2 - 6p$

9) $2x^2 = 4x + 6$

10) $3r^2 - 9 = 6r$

11) $3x^2 = 4x - 1$

12) $2n^2 - 6n = 6$

Answers to 12-05-30-T8 Answers included for both odd and even.

1) $\left\{-\frac{1}{2}, -\frac{3}{2}\right\}$

4) $\{1, -3\}$

7) $\{1, -3\}$

10) $\{3, -1\}$

2) $\left\{\frac{5+\sqrt{70}}{5}, \frac{5-\sqrt{70}}{5}\right\}$

5) $\{1, -2\}$

8) $\left\{\frac{-3+\sqrt{3}}{3}, \frac{-3-\sqrt{3}}{3}\right\}$

11) $\left\{1, \frac{1}{3}\right\}$

3) $\{1, -3\}$

6) $\left\{\frac{-3+\sqrt{29}}{2}, \frac{-3-\sqrt{29}}{2}\right\}$

9) $\{3, -1\}$

12) $\left\{\frac{3+\sqrt{21}}{2}, \frac{3-\sqrt{21}}{2}\right\}$