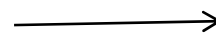


Solve using the quadratic formula

$3x^2 + 5 = 10x$ $3x^2 - 10x + 5 = 0$ $a = 3, b = -10, c = 5$ $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ $x = \frac{-(-10) \pm \sqrt{(-10)^2 - 4(3)(5)}}{2(3)}$ $x = \frac{10 \pm \sqrt{100 - 60}}{6} = \frac{10 \pm \sqrt{40}}{6} = \frac{10 \pm 2\sqrt{10}}{6}$ $x = \frac{5 \pm \sqrt{10}}{3}$	<p>1. $4x^2 + 7x - 1 = 0$</p>
<p>2. $14 - 2x = x^2$</p>	<p>3. $9x^2 + 1 = 6x$</p>
<p>4. $2x^2 = 6x - 3$</p>	<p>5. $7 - 5x^2 + 2x = 0$</p>

Scrambled Answers: $\left\{\frac{1}{3}\right\}, \{-1 \pm \sqrt{15}\}, \left\{\frac{7}{5}, -1\right\}, \left\{\frac{-7 \pm \sqrt{65}}{8}\right\}, \left\{\frac{3 \pm \sqrt{3}}{2}\right\}$

OVER



Collab Day Homework

Directions: Completely factor.

1. $3c^2 + 10c + 8$	2. $10c^3 + 10n^3$
3. $z^3 - 2z^2 - 15z$	4. $c^4 - 1$
5. $m^3 + m$	6. $8a^2 + 22ac + 9c^2$
7. $w^3 - 3w^2 + 4w - 12$	8. $4z^2 - 100$
9. $12x^2 - 5xy - 2y^2$	10. $2cd^2 - 3cd - 20c$