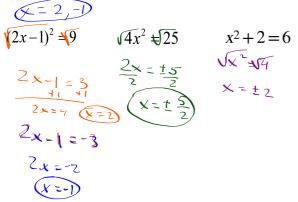
$$\frac{20}{3} = \frac{9 \times 4 - 12 \times 4^2 - 3 \times 3}{3 \times (34 - 414^2 - x^2)}$$

Aug 31-11:03 AM

Solve the equation by extracting square roots.



P.5 Solving Equations

Objectives: 8) I can solve equations with the square root property.

- 9) I can solve equations by completing the square.
 - I can solve quadratic equations by factoring.
 - 11) I can solve quadratic equations with the quadratic formula.
 - 12) I can solve quadratic equations by finding x-intercepts.

Aug 29-7:25 PM

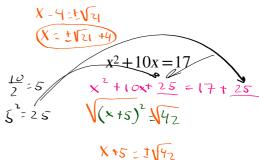
Solve the equation by completing the square. $-\frac{9}{2}$ --4 (4) -16

$$x^{2}-8x-5=0 x^{2}-12x-7=0$$

$$x^{2}-8x+\frac{16}{5}-5=0+6$$

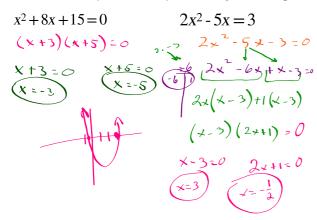
$$(x-4)^{2}-5=16$$

$$\sqrt{(x-4)^{2}}$$



X = ±V42-5

Solve the quadratic equations by factoring.



Solve the equation using the quadratic formula.

$$\left(x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}\right) \quad \text{ax}^2 + b \times + C = 0$$

$$3x^{2} - 6x = 5$$

$$3x^{2} - 6x - 5 = 0$$

$$2x^{2} - 3x + 1 = 0$$

$$\chi = -\frac{(-6)t\sqrt{(-6)^2-4(5)(-5)}}{2(3)}$$

$$\left(X = \left| \begin{array}{c} \pm \sqrt{96} \\ \hline 6 \end{array} \right|\right)$$

Aug 5-2:09 PM

Aug 29-7:56 PM

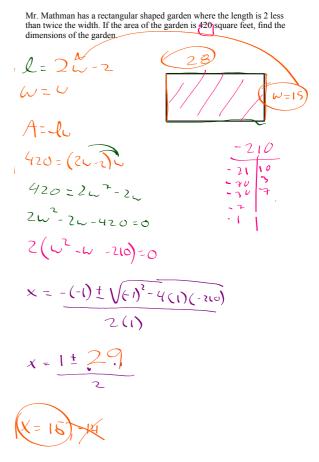
Solve the equation by finding the x-intercepts.

Use a graphing calculator

$$2x^2 - 3x - 2 = 0$$
NORMAL FLORT AUTO REAL RADIAN MP
V1=2X2-3X-2

 $x = 2$
 $x = 2$
 $x = 2$

 $x^2 + 4x + 3 = 0$



Aug 16-8:03 AM