Algebra III

Solving Equations By Factoring

Warm up:

Factor:

 $2x^3 - 11x^2 + 12x$

$$\begin{array}{c}
2x - 11x + 12x \\
\times (2x - 1(x + 12)) \\
\times (2x - 3)(x - 4)
\end{array}$$

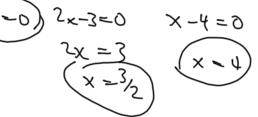


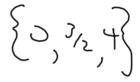
Solve the following equations:

$$x^2 - 3x - 18 = 0$$

$$(x-e)(x+3) = 0$$

$$2x^3 - 11x^2 + 12x = 0$$





Solve by factoring November 13, 2017

Solve the following equations:

$$x^{2} = 6x - 8$$

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$$x^{2} = 48$$

$$3x^{2} = 48$$

$$3x^{2} - 4x = 0$$

$$3(x^{2} - 4x) = 0$$

$$3(x^{2}$$

The longer sides of a parallelogram are each 8 m longer than the height. The area of the piece is 48 m^2 . Find the length of the longer sides and the height.

Base = 8 make h 48 = (R+h). h $8h + h^2 - 48 = 0$ $h^2 + 8h - 48 = 0$

HW: p 312 #3-15 odd, 19-25 odd, 37-39