

April 13, 2016

$$16x + 15x - 15$$

$$15x^2 + 16x - 15 \quad ac = -225 \quad b = 16$$

$$\begin{array}{r} + \\ 25 \end{array} \begin{array}{r} - \\ 9 \end{array}$$

$$28x^2 + 12x - 88$$

$$4(7x^2 + 3x - 22) \quad ac = -154 \quad b = 3$$

$$\begin{array}{r} + \\ 7 \end{array} \begin{array}{r} - \\ 4 \end{array} \begin{array}{r} -28 \\ 9 \end{array} \begin{array}{r} 3 \\ -54 \end{array} \begin{array}{r} 3 \\ 13 \end{array} \begin{array}{r} 3 \\ 10 \end{array} \begin{array}{r} 3 \\ 14 \end{array} \begin{array}{r} 3 \\ 11 \end{array} \begin{array}{r} 3 \\ -154 \end{array} \begin{array}{r} 3 \end{array}$$

$$4(x+2)(7x-11)$$

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Apr 13-9:27 AM

6.5 Factoring Special Forms

$$(x+2)(x-2) = x^2 - 4$$

Difference of Two Squares

F: $x \cdot x = x^2$

O: $x \cdot (-2) = -2x$

I: $2 \cdot x = 2x$

L: $2 \cdot (-2) = -4$

General

$$(a+b)(a-b) = a^2 - ab + ab - b^2$$

$$= a^2 - b^2$$

Difference of Two Squares

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