

Unit 7 Day 10

Factoring when $a \neq 1$

$$5x^2 + 12x + 7$$

$$\begin{array}{c} (5x+7)(1x+1) \\ \underbrace{\qquad\qquad\qquad}_{7x} \\ \hline \frac{5x}{12x} \end{array}$$

$$2x^2 - 7x + 3$$

$$\begin{array}{c} (2x-1)(x-3) \\ \underbrace{\qquad\qquad\qquad}_{-1x} \\ \hline \frac{-6x}{-7x} \end{array}$$

$$2x^2 - 5x - 3$$

$$\begin{array}{c} (2x+1)(x-3) \\ \underbrace{\qquad\qquad\qquad}_{1x} \\ \hline \frac{-6x}{-5x} \end{array}$$

$$3x^2 - 8x - 3$$

$$\begin{array}{c} (3x+1)(x-3) \\ \underbrace{\qquad\qquad\qquad}_{1x} \\ \hline \frac{-9x}{-8x} \end{array}$$

$$2x^2 + 9x - 5$$

$$\begin{array}{c} (2x-1)(x+5) \\ \underbrace{\qquad\qquad\qquad}_{-1x} \\ \hline \frac{10x}{9x} \end{array}$$

$$2x^2 + 5x + 2$$

$$\begin{array}{c} (2x+1)(x+2) \\ \underbrace{\qquad\qquad\qquad}_{1x} \\ \hline \frac{4x}{5x} \end{array}$$