

Factor

$$\begin{array}{l} \begin{array}{l} -2 \\ -5 \end{array} / 3 \\ -15 \end{array} \quad \begin{array}{l} (3x^2 - 5x) + (3x - 5) \\ x(3x - 5) + 1(3x - 5) \\ (x + 1)(3x - 5) \end{array} \quad \begin{array}{l} 9 \\ -36 \end{array} \begin{array}{l} 5 \\ -4 \end{array} \quad \begin{array}{l} (6x^2 + 9x) - (4x - 6) \\ 3x(2x + 3) - 2(2x + 3) \\ (3x - 2)(2x + 3) \end{array}$$

\* Factor numerator

$$\frac{3x^2 - 2x - 5}{3x - 5} = \frac{\cancel{(x+1)}\cancel{(3x-5)}}{\cancel{3x-5}} \quad \frac{6x^2 + 5x - 6}{3x - 2}$$

$$\frac{\cancel{(3x-2)}\cancel{(2x+3)}}{\cancel{3x-2}}$$

$x+1$        $2x+3$

**9.**  $(h + 4)^2$

**11.**  $(d - 10)^2$

**13.**  $(q + 1)^2$

**10.**  $(v - 5)^2$

**12.**  $(m + 9)^2$

**14.**  $(p - 2)^2$

**24.**  $(w + 12)(w - 12)$

**26.**  $(y + 11)(y - 11)$

**28.**  $(k + 8)(k - 8)$

**30.**  $(2p + 7)(2p - 7)$

**32.**  $(6v + 5)(6v - 5)$

**34.**  $(4x + 11)(4x - 11)$

**36.**  $2(h + 1)(h - 1)$

**38.**  $5(4g + 3)(4g - 3)$