

## Divide Binomials by Binomials

Divide each polynomial. Put remainders in fractional forms.

$$(h^2 - 16) \div (h - 4)$$

$$(x^2 - 7) \div (x + 7)$$

$$(25x^2 - 4) \div (5x + 2)$$

$$(-2c^2 - 12) \div (c - 1)$$

$$(-3k^2 - 9) \div (k - 5)$$

$$(-2r^2 - 9) \div (r + 7)$$

$$(p^2 + 10) \div (p - 8)$$

$$(-3s^2 - 18) \div (s + 8)$$

## Divide Binomials by Binomials

Divide each polynomial. Put remainders in fractional forms.

$$\begin{aligned}(h^2 - 16) \div (h - 4) \\ = h + 4\end{aligned}$$

$$\begin{aligned}(25x^2 - 4) \div (5x + 2) \\ = 5x - 2\end{aligned}$$

$$\begin{aligned}(-3k^2 - 9) \div (k - 5) \\ = -3k - 15 - \frac{84}{k - 5}\end{aligned}$$

$$\begin{aligned}(p^2 + 10) \div (p - 8) \\ = p + 8 + \frac{74}{p - 8}\end{aligned}$$

$$\begin{aligned}(x^2 - 7) \div (x + 7) \\ = x - 7 + \frac{42}{x + 7}\end{aligned}$$

$$\begin{aligned}(-2c^2 - 12) \div (c - 1) \\ = -2c - 2 - \frac{14}{c - 1}\end{aligned}$$

$$\begin{aligned}(-2r^2 - 9) \div (r + 7) \\ = -2r + 14 - \frac{107}{r + 7}\end{aligned}$$

$$\begin{aligned}(-3s^2 - 18) \div (s + 8) \\ = -3s + 24 - \frac{210}{s + 8}\end{aligned}$$