

Divide Polynomials by Binomials

Divide each polynomial. Put remainders in fractional forms.

$$(-2h^3 - 18h^2 - 14h + 8) \div (h + 1)$$

$$(3p^3 - 13p^2 + 18p + 13) \div (p - 6)$$

$$(-2c^3 - 19c^2 - 19c - 13) \div (c + 6)$$

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Divide each polynomial. Put remainders in fractional forms.

$$\begin{aligned} &(-2h^3 - 18h^2 - 14h + 8) \div (h + 1) \\ &= -2h^2 - 16h + 2 + \frac{6}{h+1} \end{aligned}$$

$$\begin{aligned} &(3p^3 - 13p^2 + 18p + 13) \div (p - 6) \\ &= 3p^2 + 5p + 48 + \frac{301}{p-6} \end{aligned}$$

$$\begin{aligned} &(-2c^3 - 19c^2 - 19c - 13) \div (c + 6) \\ &= -2c^2 - 7c + 23 - \frac{151}{c+6} \end{aligned}$$