

Name : _____

Score : _____

Teacher : _____

Date : _____

Dividing Polynomials

Divide each polynomial. Put remainders in fractional form.

$$1) \quad \begin{array}{r} 4h^2 + 30h + 106 + \frac{333}{h-3} \\ h-3 \overline{) 4h^3 + 18h^2 + 16h + 15} \end{array}$$

$$4) \quad \begin{array}{r} -s - 9 - \frac{44}{s-4} \\ s-4 \overline{) -s^2 - 5s - 8} \end{array}$$

$$2) \quad \begin{array}{r} 4h^2 - 32h + 205 - \frac{1226}{h+6} \\ h+6 \overline{) 4h^3 - 8h^2 + 13h + 4} \end{array}$$

$$5) \quad \begin{array}{r} -2p + 16 + \frac{24}{p-1} \\ p-1 \overline{) -2p^2 + 18p + 8} \end{array}$$

$$3) \quad \begin{array}{r} -3z + 3 + \frac{6}{z+1} \\ z+1 \overline{) -3z^2 + 9} \end{array}$$

$$6) \quad \begin{array}{r} -4p + 32 - \frac{238}{p+8} \\ p+8 \overline{) -4p^2 + 18} \end{array}$$

