

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Dividing Polynomials

Divide each polynomial. Put remainders in fractional form.

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

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

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

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

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

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

