

Name : _____

Score : _____

Teacher : _____

Date : _____

Dividing Polynomials

Divide each polynomial. Put remainders in fractional form.

1) $(s^2 - 20s + 14) \div (s + 5)$

6) $(-4p^3 + 11p^2 - 9p - 13) \div (p - 2)$

2) $(3s^2 + 11) \div (s - 7)$

7) $(-2p^3 - 12p^2 + 5p + 12) \div (p - 6)$

3) $(-p^2 - 15) \div (p + 1)$

8) $(3z^2 - 18) \div (z - 2)$

4) $(g^2 + 6) \div (g - 3)$

9) $(-4k^2 + 17k + 10) \div (k - 5)$

5) $(-y^2 - 9y + 11) \div (y - 5)$

10) $(2q^2 - 17q + 16) \div (q - 6)$



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Divide each polynomial. Put remainders in fractional form.

1) $(s^2 - 20s + 14) \div (s + 5)$

$$s - 25 + \frac{139}{s + 5}$$

6) $(-4p^3 + 11p^2 - 9p - 13) \div (p - 2)$

$$-4p^2 + 3p - 3 - \frac{19}{p - 2}$$

2) $(3s^2 + 11) \div (s - 7)$

$$3s + 21 + \frac{158}{s - 7}$$

7) $(-2p^3 - 12p^2 + 5p + 12) \div (p - 6)$

$$-2p^2 - 24p - 139 - \frac{822}{p - 6}$$

3) $(-p^2 - 15) \div (p + 1)$

$$-p + 1 - \frac{16}{p + 1}$$

8) $(3z^2 - 18) \div (z - 2)$

$$3z + 6 - \frac{6}{z - 2}$$

4) $(g^2 + 6) \div (g - 3)$

$$g + 3 + \frac{15}{g - 3}$$

9) $(-4k^2 + 17k + 10) \div (k - 5)$

$$-4k - 3 - \frac{5}{k - 5}$$

5) $(-y^2 - 9y + 11) \div (y - 5)$

$$-y - 14 - \frac{59}{y - 5}$$

10) $(2q^2 - 17q + 16) \div (q - 6)$

$$2q - 5 - \frac{14}{q - 6}$$

