

Name : _____

Score : _____

Teacher : _____

Date : _____

Dividing Polynomials

Divide each polynomial. Put remainders in fractional form.

1) $(3r^2 - 16) \div (r + 8)$

6) $(3h^2 + 10) \div (h - 3)$

2) $(-2z^2 + 10) \div (z + 4)$

7) $(-3n^2 + 6) \div (n - 9)$

3) $(-4c^2 - 10) \div (c + 6)$

8) $(q^2 + 11) \div (q - 1)$

4) $(2y^2 + 7) \div (y - 6)$

9) $(2r^2 + 15) \div (r - 7)$

5) $(h^2 + 16) \div (h + 8)$

10) $(2k^2 - 17) \div (k - 1)$



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Dividing Polynomials

Divide each polynomial. Put remainders in fractional form.

1) $(3r^2 - 16) \div (r + 8)$

$$3r - 24 + \frac{176}{r + 8}$$

6) $(3h^2 + 10) \div (h - 3)$

$$3h + 9 + \frac{37}{h - 3}$$

2) $(-2z^2 + 10) \div (z + 4)$

$$-2z + 8 - \frac{22}{z + 4}$$

7) $(-3n^2 + 6) \div (n - 9)$

$$-3n - 27 - \frac{237}{n - 9}$$

3) $(-4c^2 - 10) \div (c + 6)$

$$-4c + 24 - \frac{154}{c + 6}$$

8) $(q^2 + 11) \div (q - 1)$

$$q + 1 + \frac{12}{q - 1}$$

4) $(2y^2 + 7) \div (y - 6)$

$$2y + 12 + \frac{79}{y - 6}$$

9) $(2r^2 + 15) \div (r - 7)$

$$2r + 14 + \frac{113}{r - 7}$$

5) $(h^2 + 16) \div (h + 8)$

$$h - 8 + \frac{80}{h + 8}$$

10) $(2k^2 - 17) \div (k - 1)$

$$2k + 2 - \frac{15}{k - 1}$$

