

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

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

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

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

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## Dividing Polynomials

Divide each polynomial. Put remainders in fractional form.

1)  $(4r^2 - 12) \div (r + 4)$

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

2)  $(-3x^2 + 14) \div (x + 1)$

7)  $(-4n^2 - 17) \div (n - 2)$

3)  $(4z^2 + 11) \div (z - 8)$

8)  $(-4c^2 - 20) \div (c - 6)$

4)  $(-4g^2 - 17) \div (g - 4)$

9)  $(p^2 + 12) \div (p - 6)$

5)  $(-4c^2 - 12) \div (c + 4)$

10)  $(2g^2 - 11) \div (g - 6)$



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## Dividing Polynomials

Divide each polynomial. Put remainders in fractional form.

1)  $(4r^2 - 12) \div (r + 4)$

$$4r - 16 + \frac{52}{r + 4}$$

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

$$-3g - 9 - \frac{9}{g - 3}$$

2)  $(-3x^2 + 14) \div (x + 1)$

$$-3x + 3 + \frac{11}{x + 1}$$

7)  $(-4n^2 - 17) \div (n - 2)$

$$-4n - 8 - \frac{33}{n - 2}$$

3)  $(4z^2 + 11) \div (z - 8)$

$$4z + 32 + \frac{267}{z - 8}$$

8)  $(-4c^2 - 20) \div (c - 6)$

$$-4c - 24 - \frac{164}{c - 6}$$

4)  $(-4g^2 - 17) \div (g - 4)$

$$-4g - 16 - \frac{81}{g - 4}$$

9)  $(p^2 + 12) \div (p - 6)$

$$p + 6 + \frac{48}{p - 6}$$

5)  $(-4c^2 - 12) \div (c + 4)$

$$-4c + 16 - \frac{76}{c + 4}$$

10)  $(2g^2 - 11) \div (g - 6)$

$$2g + 12 + \frac{61}{g - 6}$$

