

Name : _____

Score : _____

Teacher : _____

Date : _____

Dividing Polynomials

Divide each polynomial. Put remainders in fractional form.

1) $(4p^2 + 20p + 14) \div (p + 2)$

6) $(-3b^2 + 13b + 16) \div (b - 7)$

2) $(-3z^2 + 5z + 11) \div (z - 4)$

7) $(-2h^2 - 5h + 20) \div (h + 1)$

3) $(4c^2 - 14c + 13) \div (c - 6)$

8) $(x^2 + 13x - 8) \div (x + 4)$

4) $(-b^2 + 11b + 12) \div (b + 4)$

9) $(-p^2 + 14p + 6) \div (p - 5)$

5) $(-b^2 - 12b + 3) \div (b - 5)$

10) $(-q^2 + 15q + 18) \div (q - 7)$



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1) $(4p^2 + 20p + 14) \div (p + 2)$

$$4p + 12 - \frac{10}{p+2}$$

6) $(-3b^2 + 13b + 16) \div (b - 7)$

$$-3b - 8 - \frac{40}{b-7}$$

2) $(-3z^2 + 5z + 11) \div (z - 4)$

$$-3z - 7 - \frac{17}{z-4}$$

7) $(-2h^2 - 5h + 20) \div (h + 1)$

$$-2h - 3 + \frac{23}{h+1}$$

3) $(4c^2 - 14c + 13) \div (c - 6)$

$$4c + 10 + \frac{73}{c-6}$$

8) $(x^2 + 13x - 8) \div (x + 4)$

$$x + 9 - \frac{44}{x+4}$$

4) $(-b^2 + 11b + 12) \div (b + 4)$

$$-b + 15 - \frac{48}{b+4}$$

9) $(-p^2 + 14p + 6) \div (p - 5)$

$$-p + 9 + \frac{51}{p-5}$$

5) $(-b^2 - 12b + 3) \div (b - 5)$

$$-b - 17 - \frac{82}{b-5}$$

10) $(-q^2 + 15q + 18) \div (q - 7)$

$$-q + 8 + \frac{74}{q-7}$$

