

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

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

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

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

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### Dividing Polynomials

Divide each polynomial. Put remainders in fractional form.

1)  $(-3y^3 + 16y^2 + 3y - 10) \div (y - 3)$

6)  $(-2d^2 + 17) \div (d + 5)$

2)  $(-d^2 - 17) \div (d + 8)$

7)  $(-r^2 - 12) \div (r + 2)$

3)  $(-4y^2 + 20y - 18) \div (y + 9)$

8)  $(3x^3 - 13x^2 + 7x - 10) \div (x - 3)$

4)  $(-3n^2 - 10n - 17) \div (n + 3)$

9)  $(b^2 - 16) \div (b + 3)$

5)  $(b^2 - 20b + 5) \div (b - 9)$

10)  $(-4n^3 + 8n^2 - 19n + 8) \div (n - 7)$

