

Quadratics REVIEW Homework

Name: _____

Give BOTH names for the polynomial.

1) $3x^2 - x + 3$

2) 37

3) $8z^3$

4) $2a + 3$

Linear
Binomial

II. Simplify. Write each answer in standard form.

5) $(-4m^3 + m - 10) + (3m + 12 - 7m^2)$

6) $(3c - 4c^2 + c^3) - (5c^2 + 8c^3 - 6c)$
 $-5c^2 - 8c^3 + 6c$

$-7c^3 - 9c^2 + 9c$

III. Simplify each product. Show all work!!!

7) $(2m + 5)(3m - 7)$

8) $(2a + 5)(a + 3)$

9) $(3 - 2x)^2 = (3 - 2x)(3 - 2x)$

F O I L

IV. Factor completely.

10) $xy + 4y - 2x - 8$

11) $x^2 - 2x - 63$

$(x \quad)(x \quad)$

12) $4x^2 + 11x + 6$

13) $6x^2 + x - 12$

14) $w^2 - 8w + 15$

15) $9y^2 - 25$