Algebra Tiles Worksheet, M6166
R. Sinn, Summer RESA 2005 Name _____

Directions: use algebra tiles to solve the following:

1. $(2x - 3) + (-3x - 1)$

2. $(2x^2 - x + 2) + (x^2 - 2x - 1)$

3. $(x^2 - 3) + (3x + 5)$

4. $(3x - 4) + (-x^2 - 1)$

5. $(-3x^2 - 2x + 4) + (2x^2 - 3x + 2)$

6. $(x^2 + 2x + 3) + (2x^2 - 2x + 1)$

7. $(4x^2 + 7) + (-2x^2 - 2x + 2)$

8. $(x - 5) + (3x^2 - 1)$

9. $(-2x^2 + 2x + 3) + (-x^2 + 4x - 3)$

10. $(-3x - 3) + (-2x^2 - x - 5)$

Directions: use algebra tiles to solve the following:

1. $(x-3)-(4x-2)$

2. $(x^2-3x+2)-(x^2-x-5)$

3. $(-x^2+11)-(3x+5)$

4. $(4x-2)-(-2x^2-5)$

5. $(2x^2-9x+5)-(2x^2-3x+3)$

6. $(-x^2+2x)-(2x^2-4x+5)$

7. $(4x^2+8x)-(x^2-2x+2)$

8. $(x-7)-(4x^2-1)$

9. $(-2x^2+5x+1)-(-x^2+2x-9)$

10. $(3x-3)-(-2x^2-x-5)$

Directions: use algebra tiles to solve the following:

1. $(x+3)(x+2)$

2. $(x+3)(x-5)$

3. $(x+2)(2x-1)$

4. $(3x+2)(x-1)$

5. $(-4x+1)(x-5)$

6. $(-x+4)(2x-2)$

7. $(3x+2)(x-1)$

8. $(x+6)(x-2)$

9. $(-x-2)(-x+3)$

10. $(-2x+5)(-x-2)$