Algebra I Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework #2 Lesson 9-2 Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hour\_\_\_

Multiplying Binomials

Simplify each product using the distributive property.

1. $(x+5)(x+2)$
2. $\left(2x-1\right)\left(x+2\right)$
3. $\left(k+7\right)\left(k-6\right)$
4. $(9x+6)(3x-5)$

Simplify each product using the box method.

1. $\left(x+9\right)(x^{2}-4x+1)$
2. $\left(-7+p\right)\left(8+p\right)$
3. $\left(5c-9\right)\left(5c+1\right)$
4. $\left(9y^{2}+2\right)\left(y^{2}-y-1\right)$
5. Find the area of the shaded region.

 $x+8$

$$x+6$$

$$x+3$$

$$3x$$