NCM1B Unit 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Date:

**Homework Lesson 4.5: More Multiplying Binomials**

**Simplify:**

1. $(a+7)(a+8)$ 2. $(5m+6)(m-3)$

3. $(3x+5)^{2}$ 4. $(3n-7)(7n-6)$

5. Calculate the area of the figure below $ $ 6. Calculate the area of the figure below

$$-3x^{2}+6xy-4y^{2}$$

$$-7y$$

$$7x+3$$



7. $8m\left(1-3m^{2}\right)-2m^{2}\left(3-4m\right)$ 8. $9p^{4}\left(2p-3\right)-p^{2}\left(-9p^{2}+5p^{3}\right)$

9. The width of a rectangle is 3 less than its length, *l*. The length is increased by 2 units. Find
 the area **new** of the rectangle.

10. The length of a rectangle is 4 more than its width, *w.* Both dimensions are increased by 1
 unit. Find the area of the **new** rectangle.