Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #:\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

**3.1E HW**

Simplify the expressions:

1. 12r + 5s – 7t + 11r + 9s – 4r
2. – 4(5a – 3b)
3. 5(7 + 3x) – 12
4. 8y – 6(3y – 7)
5. 2(z + 3) + 3(5 – 3z)
6. 8x2 – 7x + 4x3 – 2 – 3x2 + 9x - 4
7. Find the algebraic expression for the **perimeter** of each of the shapes pictured below: (Combine Like Terms of the sides):

a) b) c)

**3ab + 4a2**

**4z + 3**

**3 – 2x**

**x**

**3b2**

**2a2**

**4z + 3**

**6b2 – 5ab**

**7 + y**

**BACK🡪**

1. Find the algebraic expression for the **area** of each of the shapes pictured below: (Combine Like Terms of the sides):

