Finding Equivalent Expressions

Name _____

1. The length of a side of a square is 2x – 1. Draw and label the square. Write three different expressions to describe its perimeter. (Example: Instruction book pg 128)

2. The perimeter of a square is given as 12x + 20. Draw and label the square. Write two different expressions to represent its perimeter. (Example: Instruction book pg 132 #16)

3. The length of a side of a regular pentagon is x – 5. Draw and label the pentagon. First express its perimeter as a sum. Next express its perimeter as a product. Explain why the two expressions are equivalent. (Example: Instruction book pg 135 #4)

4. The length of each of the two congruent sides of an isosceles triangle is 3x -1 and the length of the third side is 5x. Draw and label the triangle. The write two equivalent expressions for its length of the perimeter. (Example: Instruction book pg 135 #5)