Beginning Algebra Review Name: \_\_\_\_\_\_\_\_\_\_

Solve the following algebra questions. Show all your work and box your final answer.

1.) x + 7 = 12 2.) a – 7 = 19 3.) –7x = -21 4.) 

5.) 5r – 6 = 19 6.) 3(r + 4) = 24 7.) 3(n – 8) = - 6

8.)  + 3 = -8 9.) + 3 = 23 10.) 10d + 5(23 - d) = 145

11.) 4(y - 4) + 3(y + 7) = -30 12.) 6( 3a – 4 ) – ( 1 – 3a ) = -60 - 7

14.) The rectangle has a perimeter of 36cm. Determine the side lengths of the rectangle.

3n + 2

1. Create an equation.

P = 36cm

n + 4

1. Solve the equation.

c) What are the lengths of each of the sides? Prove that your answer is correct.

4.) 4(3a – 6) = 3(a + 2) + 6

5.) 7(2n – 1) – 2(5n – 6) = 2(4n – 5) + 7 6.) 3(2n + 1) – (n – 2) = 2(3n + 4)

