Practice Grade 8 Math: Equations Name:

1. Draw the following equation. Solve. Clearly show your answer.

a) 3*x* +2 = 8 b) -2*x* = -6

2. Follow all steps to solve and verify solution.

a) 5 + 2*m* = 9 b) -9 = 5 + 7*x*

3. For each sentence, write an equation. Solve the equation to find the number.

a) A number divided by 6 is 9.

b) A number divided by -4 is -3.

c) A number divided by -5 is 7.

4. Solve each equation. Verify the solution.

a) $\frac{t}{5}$ = 6 b) $\frac{a}{7}$ = 8

c) $\frac{k}{9}$ = -4 d) -24 + $\frac{w}{5}$ = -29

5. Expand

a) 2(*x +10)* b) 4(11+*r*)

c) 10(*b – 8) d)* 6(*p* – 2)