1. In a parking lot there are 29 vehicles (cars and motorcycles). There is a total of 92 tires in the parking lot (not including spare tires). Write a system of equations and solve to find out how many of each type of vehicle are in the parking lot.

2(C+M=29) 2c+2M=58 $4c+2M=92-\frac{4c+2M=92}{-2c=-34}$

2. Two angles are complementary. One angle is 12 more than twice the other angle. Write and solve a system of equations to find the measure of each angle.

3. Solve this equation for x. State any restrictions on the varialbes.

$$d = p + \frac{xy - g}{k}$$

4. Solve this equation for z. State any restrictions on the variables.