

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. 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 variables.

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

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

$$az - m = r - hz$$