

a. Solve for x

1.  $3x = 6$

2.  $15x = 30$

3.  $2+x = 9$

4.  $8 - x = 6$

5.  $2x + 6 = 16$

6.  $8 = x - 3$

7.  $8 = x + 9$

8.  $12 = 2x + 2$

9.  $20x+3 = 43$

b. Form linear equations from these word problems, then solve the equation, give an answer in context.

1. There are cows in a field, they have 40 legs altogether, each cow has four legs. How many cows are there in the field?
2. Polly has \$10 and spends some of her money, when she gets home she has \$4 left. How much did Polly spend?
3. There are 33 desks in my classroom; normally one student sits at each desk. Today seven desks do not have a student. How many students are in my class today?