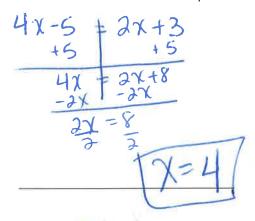
## Writing and Solving One-Variable Equations

Write an equation to represent each relationship. Then solve the equation.

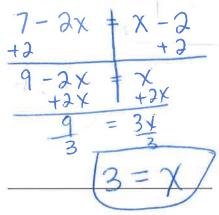
1. Four times a number minus 5 is the same as twice the number plus 3.



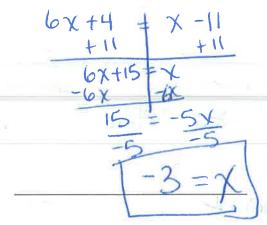
3.Ten less than 3 times a number is the same as the number plus 4.

3X-10 +	× 10
3× =	= X+14 -x
2x = 14	
X=7	

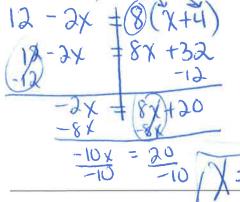
2. Seven minus 2 times a number is the same as the number minus 2.



4. Six times a number plus 4 is the same as the number minus 11.



5. Twelve decreased by twice a number is the same as 8 times the sum of the number plus 4. What is the number?



6. Three added to 8 times a number is the same as 3 times the value of 2 times the number minus 1) What is the number?

$$3+8x + 3(2x-1)$$
 $3+8x + 6x - 3$ 
 $6+8x + 6x$ 
 $-8x - 8x$ 
 $-6x - 2x$ 
 $-3 = x$