

STEPS TO SOLVING

multi step equations

1. Distribute _____.
2. Combine _____ terms on each side.
3. Move Smallest _____ variable to one side.
* use inverse operations
4. Move constant _____ to the other side.
(no variable)
5. Multiply _____ by denominator or
Divide _____ by coefficient.

EX: $2(13 - x) + 2x = 26$
 $26 - 2x + 2x = 26$
 $26 = 26$

All Real #'s

check your work:

MULTI STEP EQUATIONS

EX: $\frac{1}{2}(18x + 2) - 17x = -17$

$$9x + 1 - 17x = -17$$

$$-8x + 1 = -17$$

$$-1 \quad -1$$

$$-8x = -18$$

$$x = 2.25$$

check your work:

EX: $4x - 4(1 + x) = 20$

$$4x - 4 - 4x = 20$$

$$-4 = 20$$

No Solution

check your work: