

One-Step Equation Review

2)
$$m - 3 = -5$$

3)
$$-3a = -18$$

 $4) \quad \frac{x}{-5} = -2$

<u>Two-Step Equation Procedures</u>

It takes two steps to solve an equation that has more than one operation.

Use PEMDAS backwards

- 1. Cancel by using the addition or subtraction property of equality. (use the inverse of addition or subtraction)
- 2. Cancel further by using the multiplication or division property of equality. (use the inverse of multiplication or division)

a) 2x - 15 = 5

- 1. Cancel addition or subtraction
- 2. Cancel multiplication or division

b) 11n + 1 = 67

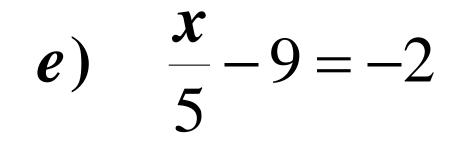
- 1. Cancel addition or subtraction
- 2. Cancel multiplication or division

$$c) - 2y + 4 = 8$$

- 1. Cancel addition or subtraction
- 2. Cancel multiplication or division

d) 5x - 2 = 3

- 1. Cancel addition or subtraction
- 2. Cancel multiplication or division



- 1. Cancel addition or subtraction
- 2. Cancel multiplication or division

Solving Two-Step Equation Word Problems

 f) Bobby bought 3 T-shirts at the mall and a pair of pants for \$16 at the clothing store. All together he spent \$28 for the clothes. How much was each shirt?

Solving Two-Step Equation Word Problems

g) Diane sold 9 decorated flowers that cost the same amount each plus a dozen roses for \$28. All together she sold \$73 in flowers. How much was each decorated flower?



Remember, use inverse operations to solve equations.

Work in reverse order of operations.



1) 5x + 4 = 19 2) 2t + 7 = -1



3) $\frac{x}{-5} + 4 = -2$ 4) -7t + 3 = -25

h) 5(x-4)=15

i) -4(m+3) = 24

$$j) \frac{x}{8} - \frac{1}{2} = -\frac{7}{2}$$

$$k) \frac{2}{5} + 4a = -\frac{6}{5}$$

<u>Combining Like Terms Before Solving</u>

l)
$$3y - 8y = 25$$

Combining Like Terms Before Solving

m) 7x - 10x = -27