

EQUATIONS WITH DECIMALS

↳ EXAMPLE 1: solve for x

$$3x + 7 = 19$$

To solve for x, first we must _____
from both sides, and then _____
on both sides.

$$3x + 7 = 19$$

$$3x =$$

=

← bring down the
equal sign

$$x =$$

↳ EXAMPLE 2: solve each equation:

a) $x + 4.7 = 9.9$

b) $0.02 + 5a = -0.3$

↳ example 3:

Solve for x:

$$0.5x + 0.1(x + 30) = 4.8$$

EQUATIONS WITH DECIMALS practice problems

Solve for x:

1. $-7.2 + x = 1.3$

2. $0.3x - 1.2 = 1.5$

3. $-0.3x + 0.1(x+4) = 0.5$