

# Solving Equations 8.3 Review

May 9, 2019 8:38 AM

Solve:

$$a) \frac{(x + 4.1)}{3} = 2.5$$

$$\frac{1}{3}(x + 4.1) = 2.5 \quad \div \frac{1}{3}$$

$$x + 4.1 = 7.5$$

$$-4.1 \quad -4.1$$

$$x = 3.4$$

$$b) 19.8 = \frac{(4.2 + x)}{-3}$$

$$19.8 = \frac{1}{3}(4.2 + x) \quad \div \frac{1}{3}$$

$$-59.4 = 4.2 + x$$

$$-4.2 \quad -4.2$$

$$-63.6 = x$$

$$c) \frac{-1}{5}(4.6 - x) = -2.1$$

$$\div \frac{-1}{5}$$

$$+4.6 \quad (-x) = 10.5$$

$$-4.6 \quad -$$

$$-x = 5.9$$

$$\div -1$$

$$\div -1$$

$$x = -5.9$$

$$d) \frac{x - 6.95}{2} = -4.61$$

$$\frac{1}{2}(x - 6.95) = -4.61 \quad \div \frac{1}{2}$$

$$x - 6.95 = -9.22$$

$$+6.95 \quad +6.95$$

$$x = -2.27$$

e) The mean of 2 numbers is 0.4. If one number is -5.5, then what is the other?

$$\frac{n + n}{2} = M$$

$$\frac{n + -5.5}{2} = 0.4$$