

Review... Section 6.1 Quiz

$$1. f) \quad 2x + \frac{3}{7} = -2$$

$$14x + 3 = -14$$

$$\frac{14x}{14} = \frac{-17}{14}$$

$$x = -\frac{17}{14}$$

$$2c) \quad 5 - \frac{x}{3} = 8$$

$$(3) \quad -\frac{x}{3} = 3(3)$$

$$-x = 9$$

$$x = -9$$

$$2b) \quad d - 7.3 = -4.5$$

$$d = 2.8$$

Take out a sheet of loose leaf.

Evaluate for x then verify the solution for 1 and 2.

$$1. \quad 5 - 2x = 9 \quad \textcircled{1}$$

$$\frac{-2x}{-2} = \frac{4}{-2} \quad \textcircled{1}$$

$$x = -2 \quad \textcircled{1}$$

$$2. \quad \frac{5x}{2} = 11 + \frac{2x}{3} \quad \textcircled{1}$$

$$15x = 66 + 4x \quad \textcircled{1}$$

$$\frac{11x}{11} = \frac{66}{11} \quad \textcircled{1}$$

$$x = 6$$

$$3. \quad \frac{1}{3}(5 - 3x) = \frac{5}{6}(x - 2) \quad \textcircled{1}$$

$$2(5 - 3x) = 5(x - 2)$$

$$10 - 6x = 5x - 10 \quad \textcircled{1}$$

$$10 - 11x = -10 \quad \textcircled{1}$$

$$\frac{-11x}{-11} = \frac{-20}{-11} \quad \textcircled{1}$$

$$x = \frac{20}{11}$$

LS	RS
$5 - 2x$	9
$5 - 2(-2)$	9
$5 + 4$	9

$LS = RS \therefore x = -2$

LS	RS
$\frac{5x}{2}$	$11 + \frac{2x}{3}$
$\frac{5(6)}{2}$	$11 + \frac{2(6)}{3}$
$\frac{30}{2}$	$11 + \frac{12}{3}$
15	$11 + 4$
	15

$LS = RS \therefore x = 6$

Corrected by students.

$$\textcircled{60} \quad \frac{\textcircled{60} x}{5} + \frac{\textcircled{60} 2}{3} = \frac{\textcircled{60} 7}{4}$$

$$12x + 40 = 85$$

Concept Reinforcement

[Complete Mid-Unit Review p. 286](#)

Quiz tomorrow