

Solving Equations with Variables both Sides. Nov. 13

p. 355

$$3. \quad \overset{-4x}{5x} = 4x + 7$$

$$x = 7$$

$$4. \quad \overset{-7y}{6y} = 7y - 4$$

$$\begin{array}{r} -7y = -4 \\ \hline -1y = -4 \\ \hline y = 4 \end{array}$$

11. Solve + check

$$2x = -30 + 5x$$

$$-3x = -30$$
$$\frac{-3x}{-3} = \frac{-30}{-3}$$

$$x = 10$$

LS

R.S.

$$2x$$

$$-30 + 5x$$

$$2(10)$$

$$-30 + 5(10)$$

$$20$$

$$-30 + 50$$

$$20$$

Qm.

$$17. \quad 2x + 3x = 8x - 3$$

$$\begin{array}{r} -8x \quad -8x \\ 2x + 3x = 8x - 3 \end{array}$$

$$\begin{array}{r} -3x = -3 \\ \hline -3 \end{array}$$

$$\begin{array}{r} \cdot \\ - \end{array}$$

$$x = 1$$

B. Solve and Check

$$5x - 3x = 4x - 2$$

$$\begin{array}{r} 2x = 4x - 2 \\ -4x \quad -4x \end{array}$$

$$\begin{array}{r} -2x = -2 \\ \hline -2 \end{array}$$

$$x = 1$$

LS	RS
$5x - 3x$	$4x - 2$
$5(1) - 3(1)$	$4(1) - 2$
$5 - 3$	$4 - 2$
2	2



$$33. \quad 15x - 7x = -52 - 5x$$

$$8x = -52$$

$$\frac{8x}{8} = \frac{-52}{8}$$

$$x = -6.5$$

40. Solve and Check

$$2x + 10 = 9 + 11 - 3x$$

$$x + 10 = 20 - 3x$$

$$5x + 10 = 20$$

$$\frac{5x}{5} = \frac{10}{5}$$
$$x = 2$$

Nathaniel | sum

L.S.	R.S.
$2x + 10$	$9 + 11 - 3x$
$2(2) + 10$	$20 - 3(2)$
$4 + 10$	$20 - 6$
$= 14$	$= 14$

HW

① Handout

② pg 349 #36, 38, 40, 46, 47, 54

③ pg 354/55 # till 41