

$$\textcircled{9} \quad \textcircled{6} \frac{5x}{6} = 40 \textcircled{6}$$

$$\frac{5x}{5} = \frac{240}{5}$$

$$\textcircled{x = 48}$$

$$\textcircled{10} \quad 7x + 8 = -2x + 17$$

$$-8 \qquad -8$$

$$7x = -2x + 9$$

$$+2x \quad +2x$$

$$\frac{9x}{9} = \frac{9}{9}$$

$$\textcircled{x = 1}$$

$$\textcircled{11} \quad \textcircled{9} \frac{4x}{7} + \frac{2}{9} = \frac{2x}{7} + \frac{20}{63}$$

$$36x + 14 = 18x + 20$$

$$-14$$

$$-14$$

$$36x = 18x + 6$$

$$-18x \quad -18x$$

$$\frac{18x}{18} = \frac{6}{18}$$

$$\textcircled{x = \frac{1}{3}}$$

12

$$6 + 3x + 2x = 41$$

$$6 + 5x = 41$$

$$\begin{array}{r} -6 \qquad \qquad -6 \\ 6 + 5x = 41 \\ \hline \end{array}$$

$$\frac{5x}{5} = \frac{35}{5}$$

$$x = 7$$

13

on next sheet

14

$$6(2x - 9) = 42$$

$$12x - 54 = 42$$

$$\begin{array}{r} +54 \quad +54 \\ 12x - 54 = 42 \\ \hline \end{array}$$

$$12x = 96$$

$$\frac{12x}{12} = \frac{96}{12}$$

$$x = 8$$

15

on next sheet

13

$$-\frac{1}{2} + \frac{5x}{6} + \frac{1}{3} = \frac{3}{8}$$

$$-12 + 20x + 8x = 9$$

$$-12 + 28x = 9$$

$$+12$$

$$+12$$

$$\frac{28x}{28} = \frac{21}{28}$$

$$x = \frac{21 \div 7}{28 \div 7}$$

$$x = \frac{3}{4}$$

15

$$-\frac{2}{3} \left(-\frac{5x}{6} - \frac{2}{9} \right) = -\frac{5}{27}$$

$$\frac{10}{18}x + \frac{4}{27} = -\frac{5}{27}$$

DISTRIBUTE

LCM/LCD

$30x$	$+ 8$	-10
\downarrow	$- 8$	$- 8$
$30x$	$=$	-18
$\frac{30x}{30}$	$=$	$\frac{-18}{30}$

$$18: 36 \quad 54$$

$$27: 54$$

$$x = \frac{-18 \div 6}{30 \div 6}$$

$$x = -\frac{3}{5}$$