

BOARD PROBLEMS Ch. 3

$$\textcircled{1} \quad (-4)^2 + 5^2 - 3^2 = \underline{\hspace{2cm}}$$

$$\textcircled{2} \quad (192 \div 8) \times 4 - |67 - 200| = \underline{\hspace{2cm}}$$

$$\textcircled{3} \quad 3\frac{1}{3} \times 1\frac{3}{4} \times \frac{7}{12} =$$

$$\textcircled{4} \quad \frac{3}{7} + \frac{11}{13} =$$

$$\textcircled{5} \quad 5\frac{2}{3} \div 1\frac{1}{4} =$$

$$\textcircled{6} \quad \text{REDUCE : } \frac{44}{48} = \underline{\hspace{1cm}} \quad \frac{12}{60} = \underline{\hspace{1cm}}$$

NOTES Ch. 3

SOLVING FOR 'x'.



GOAL:

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

$$\textcircled{2} \quad 3x + 2 = 2x + 4$$

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

$$\textcircled{4} \quad Q + 4 = 3Q - 6$$

$$\textcircled{5} \quad 4x + 2 = 2x + 8$$

$$\textcircled{6} \quad 3x - 7 = 2x - 11$$

$$\textcircled{7} \quad -3A - 5 + 4A - 6 + 2A = 19$$

NOTES ch. 3

REMOVING DECIMALS TO SOLVE MORE EASILY.

$$.83 + .04x = .325$$

$$.07 + .2x = 2.87$$

REMOVE FRACTIONS TO SOLVE.

$$\frac{2}{3}x + \frac{5}{6} = \frac{3}{7}$$

$$\frac{1}{2}x + \frac{3}{8} = 5\frac{7}{8}$$

PRACTICE PROBLEMS

SOLVE.

$$\textcircled{1} \quad 2x - 5 = 13$$

$$\textcircled{2} \quad 3x + 8 = -2x - 2$$

$$\textcircled{3} \quad x + 8 = 2x + 18$$

$$\textcircled{4} \quad [(6-2) \times 5^2 - 10] \div 5^2 =$$

$$\textcircled{5} \quad .18 + .2x = .17$$

$$\textcircled{6} \quad \frac{5}{4}x - \frac{3}{8} = \frac{3}{12}$$

$$\textcircled{7} \quad .03x - .6 = .75$$

HONORS CH.3

DISTANCE = RATE X TIME

$$D = R \cdot T$$

JOHN WALKED AT THE RATE OF $4\frac{1}{2}$ $\frac{\text{mi}}{\text{hour}}$
FOR A DISTANCE OF $11\frac{1}{4}$ MILES.
HOW LONG DID HE WALK?