Pg 98 45-53, 55, 56, 61, 62

45. $6 + \frac{v}{-8} = \frac{4}{7}$

$56(6) + (56)\frac{(v)}{-8} = \frac{4}{7}(56)8$

$336 + -7v = 32$

$-336 \quad -336$

$\frac{-7v}{-7} = \frac{-304}{-7}$

$v = 43.3/7$

46. $2/3(c-18) = 7$

$\frac{2}{3}c - \frac{2(18)}{3} = 7$

$3 \cdot \frac{2}{3}c - \frac{36 \cdot 3}{3} = 7 \cdot 3$

$2c - 36 = 21$

$+36 \quad +36$

$\frac{2c}{2} = \frac{59}{2}$

$c = 28\ 1/2$

47. $3d + d - 7 = 25/4$

$4 \cdot 4d - 7 \cdot 4 = \frac{25}{4} \cdot 4$

$16d - 28 = 25$

$+28 \quad +28$

$16d = 53$

$d = 3\ 5/16$

48. $.25(d-12) = 4$

$.25d - 3 = 4$

$+3 = +3$

$\frac{.25d}{.25} = \frac{7}{.25}$

$d = 28$

49 $8n - (2n-3) = 12$

$8n - 2n + 3 = 12$

$6n + 3 = 12$

$-3 \quad -3$

$6n = 9$

$n = 1\ 1/2$

50. $\frac{2}{3} + n + 6 = 3/4$

$4(12)(\frac{2}{3}) + 12 \cdot n + 6 \cdot 12 = \frac{3}{4}(12)$

$8 + 12n + 72 = 9$

$12n + 80 = 9$

$-80 \quad -80$

$\frac{12n}{12} = \frac{-71}{12}$

$n = 5\ 11/12$

51. $.5d - 3d + 5 = 0$

$-2.5d + 5 = 0$

$-2.5d - 5 = -5$

$\frac{-2.5d}{-2.5} = \frac{-5}{-2.5}$

$d = 2$

52. $-(w+5) = -14$

$-w - 5 = -14$

$+5 \quad +5$

$\frac{-w}{-1} = \frac{-9}{-1}$

$w = 9$

53. $\frac{a}{20} + \frac{4}{15} = \frac{9}{15}$

$3(60)\frac{a}{20} + 60\left(\frac{4}{15}\right) = \frac{9}{15}(60)4$

$3a + 4 \cdot 4 = 36$

$3a + 16 = 36$

$-16 \quad -16$

$\frac{3a}{3} = \frac{20}{3}$

$a = 6\frac{2}{3}$

55. 1 pkg + 3 mod

Angie $20 + 3m$

Kenny 1 pk + 2 mod

$20 + 2m$

Total = $115

$20 + 3m + 20 + 2m = 115$

$40 + 5m = 115$

$-40 \quad -40$

$\frac{5m}{5} = \frac{75}{5}$

$m = 15$

56) The 8 should be distributed to all terms

$8\left(\frac{3x}{8} - 1\right) = 8\frac{5}{8}$

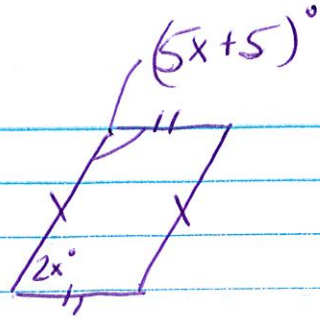
$3x - 8 = 5$

$+8 \quad +8$

$3x = 13$

$x = 4\frac{1}{3}$

61.



FIND X

$2(5x+5)+2(2x)=360$

$10x+10+4x=360$

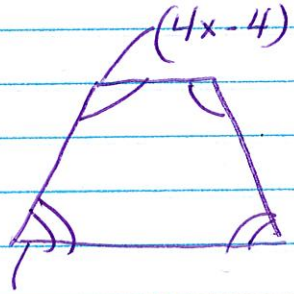
$14x+10=360$

$-10 \quad -10$

$\frac{14x}{14} = \frac{350}{14}$

$x = 25$

62.



$2(4x-4)+2(3x+2)=360$

$8x-8+6x+4=360$

$14x-4=360$

$+4 \quad +4$

$\frac{14x}{14} = \frac{364}{14}$

$x = 26$