<u>**DIRECTIONS**</u>

Answers without work to check. If you cannot find your mistake then please seek help EARLY! This assignment is worth 4 pts. 1) did you complete it 2) did you show all the work 3) did you correct in pen 4) did you get 75% of the problems correct?

Pg. 16 DAY TWO answers. Check the ones you were supposed to do for your assignment.

16. $553 = 265 + 48t$; 6 h

17. $z = 3$

18. $g = -3$

19. $m = 3$

20. $h = -9$

21. $c = 5$

22. $y = -19$

23. $x = 29$

24. $r = -6$

30. $3n - 4 = -19$; $n = -5$

33. $6(n + 15) = -42$; $n = -22$

34. $4(n - 7) = 12$; $n = 10$

35. $30(8.75) + 11t = 400$; 12.5 h

36. $10d + 10(9) = 210$; 12 ft

37. $1.08(2t + 2.50) + 3 = 13.80$; \$3.75

38. Add 1 to each side; Multiply each side by -2; Add 8 to each side; Divide each side by 5.

40. When using the Distributive Property in the second step, the second term should be positive; $-14 + 2y + 4 = -4$; $-10 + 2y = -4$; $2y = 6$; $y = 3$

41. In the third step, the right side should be 8×4, not $8 \div 4$; $x - 2 = 32$; $x = 34$

42. $2(2w + 6) + 2w = 228$, $w = 36$; 78 ft by 36 ft

43. $2y + 2 \cdot \frac{11}{8} y = 190$, $y = 40$; 55 in. by 40 in.

44. $(s + 6) + (s + 6) + s + 2s + s = 102$; $s = 15$; 21 in., 21 in., 15 in., 30 in., 15 in.

45. $x = \frac{15}{16}$; *Sample answer:* method 1; There are no fractions until the last step.

46. 6 tickets

47. no; Solving the equation $0.25(d + 8) + 0.10d = 2.80$ results in the number of dimes not being a whole number.

63. a

50. **a.** greater than 20; The attendance at the second meeting is only 1 above 20, and the attendance at the other two is more than 1 below 20, so the attendance at the fourth meeting must be greater than 20 to have a mean of 20.

64. b

    b. *Sample answer:* 24

    c. Use the mean formula to find the attendance at the fourth meeting.

65. a