

Redo Requirement Chapter 5 Calculator**DSPM 0700**

Make sure that you know *why* and *how* these problems are worked using the calculator. Check with me to make sure that you're ready to get your Testing Center ticket.

I. Simplify.

1. $(-2.8)^2$

2. $(14.6)^3$

3. $(-1.15)^3$

4. $\frac{15.8-19.4}{-0.04}$

5. $\frac{-4.3-6.7}{.5}$

6. $\frac{43.7-92.5}{0.8}$

7. $(0.05)(-0.2)(0.3)$

8. $(-5.1)(-0.3)(-2.1)$

9. $(-0.2)(-0.11)(-0.1)$

10. $19.24-(8.3)(6.5)$

11. $-5.2-(9.4)(6.1)$

12. $-15.5-(-5.4)(-2.2)$

II. Evaluate the following using $x=4.5$ and $y=-8.4$

13. $xy+2y$

14. $x-y$

15. $y-x$

16. $3y-2x$

III. Insert $>$, $<$ or $=$ to form a true statement.

17. $\frac{-3}{5}$ _____ -0.45

18. $\frac{5}{16}$ _____ 0.32

19. -4.5 _____ $\frac{-19}{4}$

20. 10.5 _____ $\frac{83}{8}$

21. $\frac{1}{2}$ _____ -0.5

22. $\frac{7}{8}$ _____ 0.875

IV. Change to a fraction in simplest form.

23. 0.85

24. -4.6

25. -0.125

26. -3.75

V. Change to an equivalent decimal.

27. $\frac{-2}{5}$

28. $\frac{81}{8}$

29. $\frac{-6}{5}$

30. $\frac{15}{4}$

VI. Solve each equation. Make sure that you show each step in getting the answer to get full credit.

31. $a + 4.3 = 9.15$

32. $c - 1.3 = -5$

33. $12.3 = m - 7$

34. $n - 3 = -15.7$

35. $-5.9x = 18.29$

36. $4.1 = \frac{y}{2.5}$

37. $-6.8n = -19.04$

38. $\frac{w}{4.5} = -6.7$

39. $0.4x - 5 = 15$

40. $-0.5v + 7 = 11$

41. $1.5m - 2 = -5$

42. $0.2x + 6 = 17.5$

VII. Simplify using the distributive property.

43. $5.8(1.2x - 4.3y)$

44. $3.2(4m + 5n)$

45. $9.1(2.5 + 7.5k)$

VIII. Find each of the following.

46. The perimeter and area of a rectangle that has length of 5.4 in. and width of 4.3 in.

47. The perimeter and area of a rectangle that has length of 15.3 cm and width of 1 cm.

48. The diameter and circumference of a circle with a radius of 2.5 m.