



Supplemental Instruction Handouts

Business Math

Chapter 2:

Review and Application of Algebra

1. $(3d - 4e) + (-2d + 6e)$

8. $S \div (1 + rt)$

for $S = \$1,250$,
 $r = 0.08$ and $t = \frac{3}{12}$

2. $(3ab) + (-6ab) - (-5ab)$

9. $4g^3 \times 9g^4$

3. $4(5a + 2b) - (3a - 4b)$

10. $8h^9 \div 2h^3$

4. $3[2 - 5x(2 + 6y)]$

11. $(r^6)^3$

5. $\frac{4x + 12}{5} - 3.2(2x - 2)$

12. 8^3

5

13. $4^{2/3}$

6. $(3c - 8d)(2c + 4d)$

14. $5x + 4 = 22 + 2x$

7. $4c + 3d - 8$ for $c = 3$
and $d = 2$

15. $15x = 3x + 120$

16. What sum of money when increased by 9% equals \$45.68?

17. \$88 is 12% less than what amount?

18. How much is \$250 after a decrease of 2.5%?

19. Manny's Tools sold 2,650 ladders at an average price of \$35 in the first year of operations. In the second year Manny's Tools sold 2,150 ladders for an average price of \$39.
- a) What was the percent change in ladders sold?
 - b) What was the percent change in price?
 - c) What was the percent change in revenue?
20. During the last four years the price of milk has increased by 35%. If the price is now \$1.25 per liter, what is the dollar amount of the price increase per liter?