Name _____

2-2A Lesson Master

VOCABULARY

1. Give an example of *like terms*.   _____

2. Give an example of *unlike terms*.   _____

SKILLS Objective A

In 3–11, use the Distributive Property to expand and combine like terms.

3. $-3x + 2x - x$

4. $3 + 2p + p - 3$

5. $\frac{1}{4}(16r - 24 + 4r - 8)$

_____   _____   _____

6. $0.5(4a + 102) - 50$

7. $6 + \frac{1}{7}(21z - 49)$

8. $\left(\frac{-1}{10}m + 1\right)5 + \frac{5}{2}$

_____   _____   _____

9. $9(4h + 2h^2) + 4h^2 - 8h$

10. $0.7y + 5(0.4y - 0.3)$

11. $\left(\frac{3b + 1}{3}\right) + \frac{b - 3}{3}$

_____   _____   _____

In 12 and 13, fill in the blanks to factor the expression.

12. $21g + 14r = 7(\underline{\quad} + \underline{\quad})$

13. $3m^2w - 6mw = 3m(\underline{\quad} - \underline{\quad})$

USES Objective H

14. You take your friends out to dinner at a restaurant. The cost of the meal is $6 per salad and $10 per entrée. You invite n friends, but half of them order only an entrée, while the other half order both a salad and an entrée. If you tip 15%, what is the tip in terms of n?

_____

15. In a business venture your revenue is R dollars per year. One fifth of the revenue will be used to repay investors, seven tenths will be reinvested in the business and the remainder is profit. What is your profit?

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