

Chapter 3 Study Guide ANSWERS

3.1 Practice A

1. terms: $3, c, e$
coefficients: $1, 1$
constant: 3
2. terms: $5m, 9$
coefficient: 5
constant: 9
3. terms: $3p^2, 7$
coefficient: 3
constant: 7
4. 42 5. 10 6. 9 7. 100
8. 6 9. 19 10. 4 11. 180
12. 10 13. 13 14. 17 15. 6
16. $3 \cdot 10 = 30$ should be done first. So, $30 - 6 = 24$.
17. $\$26.00$ 18. 322 problems
19. a. $\$60.00$ b. yes; 24 times $\$5$ is $\$120$.
20. a. 78 pages b. no; 2 times 52 is only 104 pages.

3.2 Practice A

1. $4 + 6$ or $6 + 4$ 2. $15 - 7$
3. $3x$ or $x \cdot 3$ 4. $\frac{m}{4}$ 5. $8p$ or $p \cdot 8$
6. $2x$ or $x \cdot 2$ 7. $y - 10$ 8. $k - 7$
9. $3 + c$ or $c + 3$ 10. $11 - d$
11. Twelve less than a number means that you must subtract 12 from the number x ; $x - 12$
12. 8 more than a number x , or the total of a number x and 8
13. 20 decreased by the number n , or n less than 20
14. $5x + 12$; 22 15. $\frac{x}{3 + 7}$; $\frac{1}{5}$ 16. $\frac{200}{y} - 17$; 3
17. $15 - 4x$; 7 18. $5 - 2$
19. a. $3x + 2$ or $2 + 3x$
b. $3 \times 12 + 2$ or 38 years old