

Answer Key

Chapter 12 Review and Assessment

Test A

1. 120 2. 210 3. 5 4. 35 5. 12
6. $x^3 + 3x^2y + 3xy^2 + y^3$
7. $x^4 + 12x^3 + 54x^2 + 108x + 81$
8. $x^5 + 5x^4y + 10x^3y^2 + 10x^2y^3 + 5xy^4 + y^5$
9. $8x^3 - 12x^2y + 6xy^2 - y^3$ 10. $\frac{13}{52} = 0.25$
11. $\frac{4}{52} \approx 0.0769$ 12. $\frac{4}{52} \approx 0.0769$
13. $\frac{1}{52} \approx 0.0192$ 14. $\frac{2}{52} \approx 0.0385$ 15. $\frac{1}{2}$
16. 0% 17. 0.5 18. 0.30 19. 0.10 20. $\frac{1}{1000}$
21. 68%; 68 students 22. 0.95 23. 0.475
24. 8; 2.19 25. 455