

# Answer Key

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## Chapter 12 Review and Assessment

### Test C

1. 2520
2. 3,991,680
3. 21
4. 792
5. 90,720
6.  $x^5 + 5x^4y + 10x^3y^2 + 10x^2y^3 + 5xy^4 + y^5$
7.  $8x^3 - 12x^2y + 6xy^2 - y^3$
8.  $x^6 + 12x^5 + 60x^4 + 160x^3 + 240x^2 + 192x + 64$
9.  $1 - 5x^2 + 10x^4 - 10x^6 + 5x^8 - x^{10}$
10.  $\frac{8}{48} \approx 0.1667$
11.  $\frac{4}{48} \approx 0.0833$
12.  $\frac{12}{48} = 0.25$
13.  $\frac{16}{48} \approx 0.3333$
14.  $\frac{2}{48} \approx 0.0417$
15.  $\frac{0}{48} = 0$
16.  $\frac{2}{5}$
17. 100%
18.  $\frac{3}{4}$
19. 0.65
20.  $\frac{2}{9}$
21. 84%; 16,800
22. 0.95
23. 0.135
24. 25.5; 4.10
25.  $\frac{59}{143} \approx 0.4126$