

## CHAPTER TEST

1. 34 [12.1B]    2. 84 [12.4A]    3. 32 [12.3A]    4.  $\frac{1}{2}$  [12.1A]    5.  $3x + 3x^2 + 3x^3 + 3x^4$  [12.1B]
6. 468 [12.2B]    7. 16 [12.3C]    8. 16 [12.2A]    9.  $\frac{7}{30}$  [12.3C]    10. 70 [12.4A]    11.  $\frac{2}{27}$  [12.3A]
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12.  $-280x^4y^3$  [12.4A]    13. -115 [12.2A]    14.  $a_n = -3n + 15$  [12.2A]    15. -66 [12.3B]    16.  $\frac{7}{6}; \frac{8}{7}$  [12.1A]
17.  $\frac{665}{32}$  [12.3B]    18. 1575 [12.2B]    19. There were 2550 yd of material in stock after the shipment on October 1.  
[12.2C]    20. There will be 20 mg of radioactive material in the sample at the beginning of the fifth day. [12.3D]