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]

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]