Page 832 #23-34

Find the partial sum S_n of the arithmetic sequence that satisfies the given conditions.

23. $a_1 = 1$, d = 2, n = 10   24. $a_1 = 3$, d = 2, n = 12

25. $a_1 = 4$, d = 2, n = 20   26. $a_1 = 100$, d = 12, n = 20

27. $a_1 = 55$, d = 12, n = 10   28. $a_2 = 8$, $a_5 = 9.5$, n = 15

A partial sum of an arithmetic sequence is given. Find the sum.

29. $1 + 5 + 9 + \ldots + 401$ 30. $-3 + (-\frac{3}{2}) + 0 + \frac{3}{2} + 3 + \ldots + 30$

31. $0.7 + 2.7 + 4.7 + \ldots + 56.7$ 32. $-10 - 9.9 - 9.8 - \ldots - 0.1$

33.

$$\sum_{k=0}^{10} (3 + 0.25k)$$

34.

$$\sum_{n=0}^{20} (1 - 2n)$$

CONTINUE ON BACK!!

Find the partial sum S_n of the geometric sequence that satisfies the given conditions.

23. $a_1 = 5$, $r = 2$, $n = 6$

24. $a_1 = \frac{2}{3}$, $r = \frac{1}{3}$, $n = 4$

25. $a_3 = 28$, $a_6 = 224$, $n = 6$

26. $a_2 = 0.12$, $a_5 = 0.00096$, $n = 4$

Find the sum.

27. $1 + 3 + 9 + \ldots + 2187$

28. $1 - \frac{1}{2} + \frac{1}{4} - \frac{1}{8} + \ldots - \frac{1}{512}$