Name the first five terms of each arithmetic sequence described.

1.
$$a_1 = 4$$
, $d = 3$

2.
$$a_1 = 7, d = 5$$

3.
$$a_1 = 16$$
, $d = -2$

4.
$$a_1 = 38, d = -4$$

Name the next four terms of each arithmetic sequence.

7.
$$\frac{1}{2}, \frac{3}{2}, \frac{5}{2}, \dots$$

Find the nth term of each arithmetic sequence.

8.
$$a_1 = -1$$
, $d = -10$, $n = 25$

9.
$$a_1 = -3, d = -9, n = 11$$

10.
$$a_1 = 2$$
, $d = \frac{1}{2}$, $n = 8$

Complete each statement.

Find the indicated term in each arithmetic sequence.

13.
$$a_{12}$$
 for -17 , -13 , -9 , ...

15.
$$a_{10}$$
 for 8, 3, -2, ...

Find the missing terms in each arithmetic sequence.

Find S_n for each series described. Evaluate for the given series.

23.
$$a_1 = 2$$
, $a_n = 122$, $n = 13$

23. _____

24.
$$a_1 = -18$$
, $a_n = -102$, $n = 13$

24. _____

25.
$$160 + 80 + 40 + \dots, n=6$$

25. _____

26.
$$7 + 9 + 11 + 13..., n = 10$$

26. _____

27.
$$a_1=5$$
, $d=9$, $n=7$

27. _____

28.
$$a_1=13$$
, $d=-6$, $n=21$

28. _____

Determine the number of terms n in each arithmetic series.

29.
$$a_1 = 19$$
, $a_n = 96$, $S_n = 690$

29. _____

30.
$$a_1 = 15$$
, $a_n = 79$, $S_n = 423$

30. _____

31.
$$a_1 = -3$$
, $d = 2$, $S_n = 21$

31. _____

32.
$$a_1 = 4$$
, $d = 7$, $S_n = 228$

32. _____