Intermediate Algebra Skill

<u>Finding the Sum of the First n Terms of an Arithmetic Series</u>

Find the sum of the first n terms given in the following Arithmetic Series:

1) 9+14+19+24…, n=13

2) 13+17+21+25…, n=11

3) -30-40-50-60…, n=9

4) 11+21+31+41…, n=11

5) 29+36+43+50…, n=7

6) 27+37+47+57…, n=8

7) -3-5-7-9…, n=10

8) 5+8+11+14…, n=10

9) (-20)+(-24)+(-28)+(-32)…, n=19

10) 2+7+12+17…, n=8

Answers to Finding the Sum of the First n Terms of an Arithmetic Series

1) 507

2)363

3) -630

4) 671

5) 350

6) 496

7) -120

8) 185

9) -1064

10) 156