

Honors Algebra 2/Trig Supplement for College Credit

1. Find the two-hundredth term, a_{200} , of the sequence

$$2, 5, 8, 11, \dots$$

2. Find the sum of the consecutive integers 1 to 150.

3. Find a formula for a_n for the arithmetic sequence given the following.

$$a_1 = 10, \quad a_3 = 28$$

4. Justine earned \$17,000 during the first year of her job at city hall. After each year she received a 4% raise. Find her TOTAL earning during the first five years on the job.