

Algebra 2 Class Worksheet #5 Unit 9 page 2

Solve each of the following problems. Show your work neatly organized.

6. Evaluate: $\sum_{i=1}^{60} (3i + 7)$

7. An object accelerates in such a way that it travels 2 feet during the first second, 5 feet during the next second, and 8 feet during the third second. If this pattern continues, then how far will the object have moved during the first 30 seconds?

8. A job has a starting salary of \$29,000 with a guaranteed increase of \$500 per year. Find the total salary for the first 18 years.