

General Algebra 2 Worksheet #6 Unit 10 page 2

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

7. Evaluate: $\sum_{i=1}^{50} (2i + 3)$

8. Evaluate: $\sum_{i=1}^{40} (4i - 1)$

9. An object accelerates in such a way that it travels 10 feet during the first second, 15 feet during the next second, and 20 feet during the third second. If this pattern continues, then how far will the object have moved during the first ten seconds?

10. A job has a starting salary of \$12,000 with a guaranteed increase of \$450 per year. Find the total salary for the first ten years.