



Algebra II Practice Test

Unit 2: Equations and Inequalities in One Variable

Name _____

Date _____

1. Solve: $4(2a + 1) + 8 = 5a$

2. Solve: $6x^2 + 11x = 35$

3. Solve: $0.06x + 0.05(10,000 - x) = 560$

4. Solve: $100y^2 = 300y$

5. Solve the following formula for x:
 $ax - 3 = bx + 5$

6. What percent of 42 is 25.2?

7. Find the first four terms of the sequence
whose general term is: $a_n = 2n - 1$

8. Solve and graph the solution set:
 $-2y - 3 \leq 7$

9. Solve: $\left| \frac{2}{3}x - 3 \right| + 5 = 12$

10. Solve and write your solution using
interval notation: $|2x - 5| \leq 3$