

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Hour: \_\_\_\_\_

**Algebra 1B Homework Check (11-9)**

(Please attach homework to this sheet and fill out the questions below.)

**Pg. 826: 2-8 even, 18-25, 26-38 even**

Solve each equation. Check your answer.

2.  $\sqrt{x} = 7$

4.  $\sqrt{20a} = 10$

6.  $\sqrt{x} + 6 = 11$

8.  $\sqrt{2-a} = 3$

18.  $\frac{5\sqrt{x}}{6} = 10$

19.  $2\sqrt{x} = 8$

20.  $\frac{\sqrt{x}}{3} = 3$

21.  $\frac{3\sqrt{x}}{2} = 1$

22.  $13\sqrt{2x} = 26$

23.  $\frac{\sqrt{x}}{5} = 2$

24.  $\frac{\sqrt{x-7}}{3} = 1$

25.  $4\sqrt{2x-1} = 12$

Solve each equation. Check your answer.

26.  $\sqrt{5-x} = \sqrt{6x-2}$

28.  $0 = \sqrt{2x} - \sqrt{x+3}$

30.  $\sqrt{-x} = \sqrt{2x+1}$

Solve each equation. Check your answer.

32.  $\sqrt{x-5} + 5 = 0$

34.  $\sqrt{2-7x} = 2x$

36.  $6 + \sqrt{x-1} = 4$

38.  $\sqrt{x-2} = 2-x$