

**Math 0030    March 5, 2007    Homework 17**

Text problems: 9.4 # 1-21 odds, 61-69 odds

Solve the following radical equations.

1)  $\sqrt{x} = 7$

2)  $\sqrt{x-4} = 9$

3)  $\sqrt[3]{2x+1} = -3$

4)  $\sqrt{x-4} - 7 = 0$

5) The relationship between the length of a pendulum  $L$  in meters and the period  $t$  in seconds is

$$t = 2\pi\sqrt{\frac{L}{9.8}}$$

If the period is 7.3 seconds, what is the length of the pendulum?