

## WebAssign Homework Hints: Lessons 26 – 33

### Lesson 26 assignment:

- **DO NOT APPROXIMATE; if your answer contains a fraction, enter a fraction in WebAssign, do enter a decimal approximation.**
- Set-up problem #3 just like problem #2. Express the length of the rectangle  $y$  as a function of the width  $x$ , then express the total area of the rectangle  $A$  as a function of  $x$ .
- On problem #4, the directions state “the maximum height off the ground is  $3a$  feet”, then a value for  $a$  is given. Keep in mind that this is **NOT** the same as  $a$  in  $y = a(x - h)^2 + k$ . This should be obvious since the  $a$  provided in the problem is positive, but the parabola is opening downward.

### Lesson 27 assignment:

- On problems #9, 10, and 11, write two functions based on the information given in the problems, then write a composition of the two functions.
- To include the  $\pi$  symbol on problem #9, simply type pi.
- On problem #10, use the calcPad to enter a cubed root ( $\sqrt[3]{\quad}$ ). Click on the answer box to make calcPad appear, then click Functions to find the  $n^{\text{th}}$  root option.
- On problem #11, be sure to factor completely.

### Lesson 28 assignment:

- On problem #7, because there are restrictions, it might be best not to cancel out the common factors.
- On problem #11, in order to solve the inequality  $R > S$ , a substitution needs to be made (an equivalent expression should be provided for  $R$ ).

### Lesson 29 assignment:

- On problem #8, plug-in the  $x$ -coordinate and the  $y$ -coordinate of the given point, then solve for  $k$ .
- On problem #9 part a., be sure to factor your answer **completely**.

### Lesson 30 assignment:

- **DO NOT APPROXIMATE UNLESS THE DIRECTIONS SAY TO DO SO; ENTER EXACT ANSWERS.** Decimals are fine as long as they are exact and not approximate.
- On problem #5, it might be helpful to convert all decimals to fractions before attempting to find  $k$ . Also, it might be best to leave  $k$  as a fraction.
- On problem #6, use 5,280 feet instead of 1 mile.

### Lesson 31 assignment:

- Do not approximate unless the directions say to do so; enter exact answers.

**Lesson 32 assignment:**

- **DO NOT APPROXIMATE; if your answer contains a fraction, enter a fraction in WebAssign, do enter a decimal approximation.**

**Lesson 33 assignment:**

- Read each problem slowly, carefully, and repeatedly.
- On problem #5, be sure your units are consistent when you write an equation for the cost of each notepad and the total cost of the order (either everything in terms of dollars or everything in terms of cents).