Math 120 A - Spring 2008
Mid-Term Exam Number Two
May 22, 2008
Answers

There were two versions.

Version A - In problem 1, Rita's tree is 8 feet tall today.

1. 50 years

2. 10.47689 meters

3. 8.76336 cm

4.

$$h(x) = \begin{cases} x - 1 & \text{if } x > 3, \\ 4x - 3 & \text{if } 2 < x \le 3, \\ 5 & \text{if } -1 \le x \le 2, \\ 4 - x & \text{if } x < -1 \end{cases}$$

Version B - In problem 1, Rita's tree is 10 feet tall today.

1. 40 years

2. 14.819377 meters

3. 11.8907 cm

4.

$$h(x) = \begin{cases} 3x - 2 & \text{if } x > 4, \\ 5x - 6 & \text{if } 3 < x \le 4, \\ 6 + x & \text{if } -2 \le x \le 3, \\ 7 - 3x & \text{if } x < -2 \end{cases}$$