Math 120 A - Spring 2007
Mid-Term Exam Number Two
May 17, 2007
Answers

Version A (problem 1 involves the time 5 AM)

1. 6.8376 hours

2. 32.8695 years after 1998

3. 95.801586 meters

4.

$$h(x) = \begin{cases} -x & \text{if } x < 0 \\ 3x - 2 & \text{if } 0 \le x \le 4 \\ x & \text{if } 4 < x < 5 \\ -6x & \text{if } x \ge 5 \end{cases}$$

Version B (problem 1 involves the time 6 AM)

1. 6.14498 hours

2. 24.231 years after 1998

3. 159.1676 meters

4.

$$h(x) = \begin{cases} x & \text{if } x < 1 \\ 4x + 1 & \text{if } 1 \le x \le 3 \\ 8x & \text{if } 3 < x < 6 \\ -2x & \text{if } x \ge 6 \end{cases}$$