

Math 120 B - Autumn 2010
Mid-Term Exam Number Two
November 18, 2010
Answers

There were two versions of the exam.

Version A - Problem 1 involved 100 cm of wire.

1. (a) 9.97037 cm (b) 0 cm
2. $\frac{26}{3}\pi$ cm
3. 20552.77
4. There are infinitely many correct answers. One is

$$f(x) = \frac{10}{x-3}.$$

Version B - Problem 1 involved 60 cm of wire.

1. (a) 8.4626197 cm (b) 0 cm
2. $\frac{1188}{65}\pi$ cm
3. 12540.55
4. There are infinitely many correct answers. One is

$$f(x) = \frac{19}{x-18}.$$