

MA 111 Exam 3 Answers  
Fall 1999

1. E

2. D

3. B

4. (a)  $\frac{27}{5}$

(b) 4, 1

(c)  $4 \pm \sqrt{3}$

(d) 3

5. (a)  $\frac{2y + 23}{(y - 4)(y + 4)}$

(b)  $\frac{4x - 1}{x - 1}$

6. (a)  $\frac{y + 2}{y + 5}$

(b)  $-\frac{4}{x - 3}$

7. 3 cm

8. Speed of Train A=62 mph

Speed of Train B=68 mph