

MA 111 Exam 3 Answers
Fall 2001

1. $\frac{\sqrt{5}}{2}$

2. $\frac{a^6}{b^9}$

3. $\frac{a^2 - 9a - 12}{(a + 3)(a - 5)}$ or $\frac{a^2 - 9a - 12}{a^2 - 2a - 15}$

4. (a) $x^2 - x - 20$

(b) $9x^2 - 12xy + 4y^2$

5. (a) $\frac{2x^4}{27y^4}$

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

6. (a) $x(3x + 1)(x - 5)$

(b) $2(a + 4b)(a - 4b)$

7. $x = 1$

8. first odd integer = 5

second odd integer = 7

9. 10.8 mph