

MA 111 Exam 3 Answers
Spring 2001

1. $x^3 - x^2 - 2x + 8$

2. quotient: $x - 6$
remainder: 19

3. $5a^6b^9(\sqrt{2b})$

4. $\frac{x(x-5)}{x-2}$

5. (a) $y = 10$

(b) $x = -1$

6. $\frac{5a-6}{a-3}$

7. (a) $x^2(2x-3)(x+2)$

(b) $(c+5)(c-5)(a+2b)$

8. $\frac{y^{\frac{12}{5}}}{x}$

9. 14.4 hours

10. 5 feet