

MA 153 Exam 1 Answers (Orange)  
Spring 2002

1. D  $\frac{a}{b} \frac{1}{3}$

2. C  $\frac{8}{a^4}$

3. A  $\frac{x^{10}}{25y^{14}}$

4. E  $\frac{3a^4}{b^6}$

5. B  $3x^5 - 10x^3 + 2x^2 - 10$

6. A  $5x^3 + 7x^2 - 26x + 12$

7. B  $\frac{x-3}{x+3}$

8. C  $\frac{4a^2 - 5a - 15}{a(a+3)}$

9. B  $3x - 4$

10. C  $\frac{r+s}{r}$

11. A  $x$  is between  $-6$  and  $-\frac{5}{2}$

12. E  $a = \frac{b^2}{M(1+b)}$

13. C  $1.2075x = 85$

14. D  $\frac{5}{3}$  quarts