

MA 111 Exam 1 Answers
Fall 2001

1. 14

2. 2.05×10^{-13}

3. $\frac{5}{12}$

4. 5.9 years

5. $c = \frac{4W - d}{2}$ or $2W - \frac{d}{2}$

6. $16x + 3$

7. (a) $x = \frac{3}{5}$

(b) $x = 13$

8. (a) $-\frac{12y^7}{x^4}$

(b) $\frac{b^9}{27a^{12}}$

(c) $\frac{1}{5x^2y^7z^9}$

9. $(23 + 8)t = 75$ or $31t = 75$

10. length of first piece = 6.6m
length of second piece = 2.2 m
length of third piece = 6.2 m