

Math 152 Exam 2 Answers Spring, 2003

1) $8500 + 0.09x = 12000 + 0.05x$

2) 8 liters

3) None of these. $a = \pm 4$

4) unequal irrational numbers

5) 5 cm

6) $\pm 9 + 40i$

7) $\pm \frac{3}{4} \pm \frac{\sqrt{31}}{4}i$

8) $x = \pm \frac{1}{4}$

9) $a > 22$

10) $[\pm 7, 1]$

11) $\sqrt{85}$

12) $m = \pm \frac{7}{6}$

13) $y = \frac{1}{2}x + 13$

14) $C = \pm 11t + 120$

15) $(\pm 2, 0); (2, 0); (0, 4)$