

Math 126 D - Spring 2011  
Mid-Term Exam Number One  
April 26, 2011  
Answers

1.  $-5x - 15y + 11z + 34 = 0$

2.  $\frac{32\sqrt{2457}}{2561^{3/2}}$

3. (a)  $t = \pm \left(\frac{2}{9}\right)^{1/6}$  (b)  $\frac{28}{\sqrt{65}}$

4.  $t = \frac{12 \pm 2\sqrt{62}}{13}$

5.  $\sqrt{30}$