

Math 124 I - Winter 2007  
Mid-Term Exam Number One  
Answers  
January 30, 2007

The exam had two versions.

Version A: problem 1 had  $x = 4 - 2t$

Version B: problem 1 had  $x = 2 - t$

Version A

1.  $-1/5$
2. (a)  $-5/3$   
(b)  $-2$   
(c)  $7/6$   
(d)  $-\infty$
3.  $y = -(x - 1) - 2$
4. (a) 1  
(b) No  
(c) DNE  
(d)  $-1$   
(e) No  
(f) 3
5.  $c = -3, 4$
6. 90
7. 11

Version B

1.  $-1$
2. (a)  $-2$   
(b)  $7/6$   
(c)  $-\infty$   
(d)  $-5/3$
3.  $y = -5(x + 1) + 4$

4. (a) 3  
(b) No  
(c) -1  
(d) DNE  
(e) 1  
(f) No

5.  $c = -4, 5$

6. 43.5

7. 11