

MATH 223  
Hints and Answers

Assignment 8

34. Write  $y$  as  $y = 7/3 - x/3 - 5z/3$ .
36. Solve for  $x$  in terms of  $y$  and  $z$ .
38. Compute  $x^2 + y^2$ .
39. Compute  $x^2 + y^2 + z^2$  and simplify the result..
40. Make  $x$  and  $z$  depend on  $\cos s$  and  $\sin s$ , respectively.