Problem Set 4   Calc 3   Due 10/30/2002

Remember the basic three-dimensional graphing command syntax in Maple:
> plot3d(x*y*exp(-x^2-y^2),x=-1..1,y=-1..1);

[5pts.]1. Try Stewart §14.2 #22. [Hint: If you look at the graph right, you should be able to guess a path to approach along – but don't assume it has to be a straight line.]

[5pts.]2. Try Stewart §14.7 #10.

[5pts.]3. Try Stewart §14.7 #36.

[5pts.]4. Try Stewart §14.7 Discovery Project problem #1.

[5pts.]5. Try Stewart §14.7 Discovery Project problem #2.

[5pts.]6. Try Stewart §14.7 Discovery Project problem #4.