MATH 310 Exam I (12.1 - 12.6) Review

1. Know the properties of vectors and ways of combining vectors: additon, scalar multiplication, dot product, cross product.

2. Know how to find the angle between two vectors and direction angles and direction cosines of an angle in space.

3. Know how to find equations of lines and planes in space.

4. Know the definition of cylinder and its graph in space.

5. Know the definition of quadric surface and equation, graphs of the six basic types.

Example exercises: Quiz & Homework questions; Ch.12 Review, #1-77