

These are the webassign problems to study or skip for your Test 1. Obviously, you still need to do the homework problems even if you wouldn't be tested on them!

1.1: Most of these webassign problems are fine to study. Problems 5, 8, and 9 might be better suited to section 1.5 though. Problem 14 is okay for this section and using the distance formula, but consider actually finding the equation of the line through P and Q and checking to see if R is on it using the techniques of 1.5.

1.2: Feel free to skip studying problems 5, 10, and 11!

1.3: These are all fine. Problem 3 is not a great test problem as is, but it could be tweaked. The fundamental ideas of using the dot product to find the angle between vectors and making sure you use the angle between vectors drawn to have a common initial point.

1.4: Skip problem 9! Problem 3 is okay (Basically it is problem 14 from 1.1—cross product isn't necessary for doing this problem. You should know that if $\mathbf{a} \times \mathbf{b} = \langle 0, 0, 0 \rangle$ then vectors \mathbf{a} and \mathbf{b} are parallel though.)

1.5: Problem 10 is okay, but difficult to ask on a test where you won't have a calculator. Problems 11 and 12 feel free to skip! (do check out the problems are the Lines and Planes Worksheets if you want to see more about them.)

2.1: Feel free to skip 7 (we will use the chain rule more later!) Problem 8 has integration by parts which won't be on your first test.

2.2: Feel free to skip problems 2 and 4 when studying!