

Math 206 - Quiz 7

March 25, 2015

Name key

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) Suppose points A , B , and C all lie on the line ℓ , but point D is not on ℓ . Are A and D collinear? Explain.

Yes, Two points are always
collinear.

2. (1 point) Referring to the problem above, are the points A , B , and D coplanar? Explain.

Yes, three points are always
coplanar.

3. (1 point) How many distinct lines can be drawn through a collection of three collinear points? Explain.

Exactly 1 line can be drawn
through any collinear pts

4. (1 point) What is the difference between a ray and a line?

A ray continues infinitely in one direction,
whereas a line continues in both
directions.

5. (1 point) Complete the analogy: a pointer stick is to a line as a tabletop is to a

plane.