

Math 096 - Quiz 2

February 8, 2017

Name key

Score _____

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

1. (5 points) Fill in a correct word of phrase.

(a) A ANGLE is formed when two rays share a common endpoint.

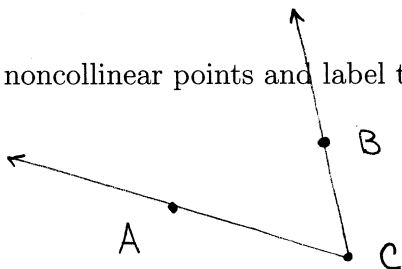
(b) If three points are collinear, they lie on (or share) the same LINE.

(c) A plane is a flat, Two dimensional surface.

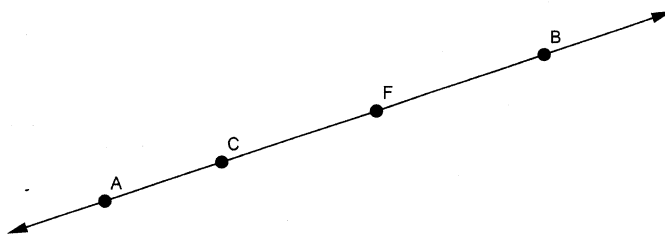
(d) Two distinct points determine a unique LINE.

(e) If A and B are two points on a line, then the symbol AB stands for the LENGTH of the line segment \overline{AB} .

2. (2 points) Draw three noncollinear points and label them A , B , and C . Then identify the angle $\angle ACB$.



3. (3 points) Look at the line and labeled points shown below.



(a) How many points lie on \overline{CB} ?

INFINITELY MANY POINTS LIE ON ANY SEGMENT!

(b) Other than C or F , identify a labeled point on \overrightarrow{CF} .

B LIES ON \overrightarrow{CF}

(c) What is the vertex of $\angle BFA$?

POINT F IS THE VERTEX