

# Math 1613 - Trigonometry

## Quiz #22 - 2011.11.03

### Solutions

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1. What two properties define a vector?

The two properties are (1) direction and (2) magnitude.

2. Explain the circumstances for which there is an ambiguous case for the Law of Sines.

Give a triangle with information  $SSA$ , where the sides are  $a$  and  $b$ , with angle  $A$ , if  $a$  has length between  $b$  and the height of the triangle, we can draw two separate triangles which satisfy the given values of  $a$ ,  $b$  and  $A$ .