

# Math 1613 - Trigonometry

Quiz #1 - 2010.08.24

Solutions

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1. What is the measure of the angle that is complementary to  $35^\circ$ ?

The complementary angle is  $90^\circ - 35^\circ = 55^\circ$ .

2. What is the measure of the angle that is supplementary to  $78^\circ$ ?

The supplementary angle is  $180^\circ - 78^\circ = 102^\circ$ .

3. Compute  $47^\circ 23' - 28^\circ 57'$ .

$$\begin{aligned} 47^\circ 23' - 28^\circ 57' &= 46^\circ 83' - 28^\circ 57' \\ &= 18^\circ 26' \end{aligned}$$