## MASSACHUSETTS MATHEMATICS LEAGUE CONTEST 5 – FEBRUARY 2007 ROUND 3 TRIG: IDENTITIES AND/OR INVERSE FUNCTIONS

## **ANSWERS**



A) Given 
$$A = Sin^{-1}(\frac{35}{37})$$
,  $B = Cos^{-1}(-\frac{15}{17})$   
Find  $sin(A + B)$  as a simplified fraction.



