Solutions Exam III

(10). C NOT A. as Law of Cosmes applies

NOT B, as Law of Sines applies

NOT D as Law of Cosmes applies

Since NO sides are given there is NO LINIAUE

TRIANGES, SO C.

(D) E $sin(\theta)$ $cot(\theta)$ $cos(\theta) = \frac{sin(\theta)}{1}$ $\frac{cos(\theta)}{sin(\theta)}$ $\frac{cos(\theta)}{1}$ $\frac{cos(\theta)}{sin(\theta)}$ $\frac{cos(\theta)}{1}$ $\frac{co$

 $\frac{(3). \ 1 + \cot(\theta)}{\cot(\theta)} \cdot \frac{1 + \frac{\cos(\theta)}{\sin(\theta)}}{\frac{\cos(\theta)}{\sin(\theta)}} = \frac{\sin(\theta)}{\sin(\theta)} + \frac{\cos(\theta)}{\sin(\theta)} = \frac{\cos(\theta)}{\sin(\theta)}$

 $= \frac{\sin(\theta) + \cos(\theta)}{\sin(\theta)} = \frac{\sin(\theta) + \cos(\theta)}{\sin(\theta)} = \frac{\sin(\theta)}{\cos(\theta)} = \frac{\sin(\theta)}{\sin(\theta)}$

= $\frac{\sin(\theta) + \cos(\theta)}{\cos(\theta)} = \frac{\sin(\theta)}{\cos(\theta)} + \frac{\cos(\theta)}{\cos(\theta)} = \frac{\tan(\theta) + 1}{\cos(\theta)}$

$$(4) \frac{\tan(\theta)}{\csc(\theta)} + \cos(\theta) = \frac{\sin(\theta)}{\cos(\theta)} + \cos(\theta) = \frac{\sin(\theta)}{\cos(\theta)} + \frac{\cos(\theta)}{\cos(\theta)} = \frac{\sin(\theta)}{\cos(\theta)} = \frac{\sin(\theta)}{\cos(\theta)} + \frac{\cos(\theta)}{\cos(\theta)} = \frac{\sin(\theta)}{\sin(\theta)} = \frac{\sin(\theta)}{\cos(\theta)} = \frac{\cos(\theta)}{\cos(\theta)} = \frac{\cos(\theta)}{\cos($$

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(b) Virity $\frac{\sec(\theta) + \tan(\theta)}{\cot(\theta) + \cos(\theta)} = \frac{\tan(\theta)}{\cot(\theta) + \cos(\theta)} = \frac{1 + \sin(\theta)}{\cos(\theta)}$ $\frac{\sec(\theta) + \tan(\theta)}{\cot(\theta) + \cos(\theta)} = \frac{1 + \sin(\theta)}{\cos(\theta)} = \frac{1 + \sin(\theta)}{\cos(\theta)}$ $\frac{\cos(\theta) + \sin(\theta)}{\sin(\theta)} = \frac{1 + \sin(\theta)}{\cos(\theta)}$ $= \frac{1 + \sin(\theta)}{\cos(\theta)}$ $\cos(\theta) + \sin(\theta)\cos(\theta) = \frac{1 + \sin(\theta)}{\cos(\theta)}$ $\cos(\theta) + \sin(\theta)\cos(\theta) = \frac{1 + \sin(\theta)}{\cos(\theta)}$ $\sin(\theta) = \frac{1 + \sin(\theta)}{\cos(\theta)}$ $\cos(\theta) + \sin(\theta)$ $\cos(\theta) = \frac{1 + \sin(\theta)}{\cos(\theta)}$ $\cos(\theta) + \sin(\theta)$ $\cos(\theta) = \frac{1 + \sin(\theta)}{\sin(\theta)}$ $\cos(\theta) = \frac{1 + \sin(\theta)}$

