MATH 116
HOMEWORK 09

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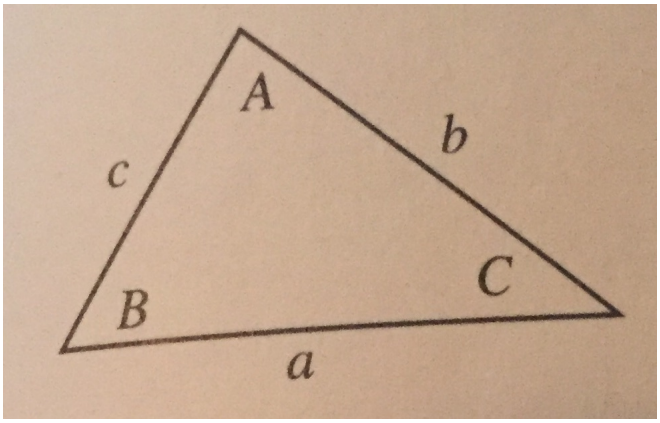
14.3

Consider the following triangle.



2. *If $a = 6$, $b = 5$, and $C = 60°$, solve the triangle.*

4. *Let $C = 20°$, $c = 2$, and $b = 5$. Find two triangles with these measures. Draw the triangles.*

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15.1

2. *Write* $\cos^5(x)$ *as* $cos(x) \cdot (some\ function\ of\ \sin(x))$

4. *Write* $\sec^7(x)$ *as* $\sec^2(x) \cdot (some\ function\ of\ \tan(x))$.

6. *Calculate* $\cos(120^\circ)$ *and* $\sin(15^\circ)$ *using the sum and/or difference formulas.*