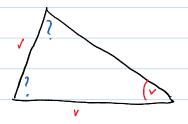
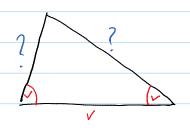
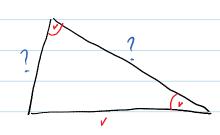
## 3.4 Solving Problems Using Acute Triangles

February-28-14 9:27 AM







Sine Law

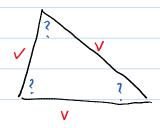


Cosine Law:  

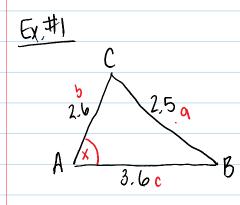
$$a^2 = b^2 + c^2 - 2bc \cos A$$

$$b^2 = a^2 + c^2 - 2ac \cos B$$

$$c^2 = a^2 + b^2 - 2ab \cos C$$



Coshe law



$$a^{2} = b^{2} + c^{2} - 2bc \cos A$$

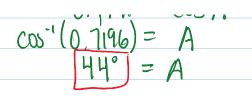
$$2.5^{2} = 2.6^{2} + 3.6^{2} - 2(2.6)(3.6) \cdot \cos A$$

$$6.25 = + |9.72 - 18.72 \cdot \cos A|$$

$$-19.72 - 19.72$$

$$-13.47 = -18.72 \cdot \cos A$$

$$0.7|9b = \cos A$$



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