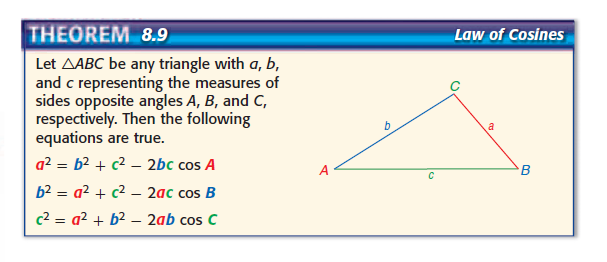
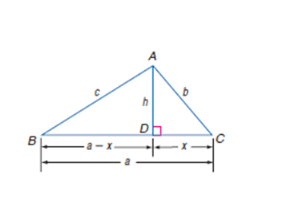
**8.7 Law of Cosines Notes**

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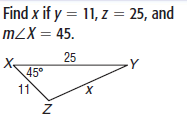
**Proof of Law of Cosines**

**Given: nonright ∆ABC**

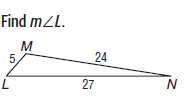
**Prove:**

**When do I use the Law of Cosines to solve?**

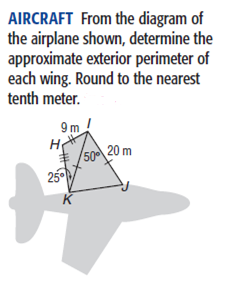
**Ex1**

****

**Ex2**

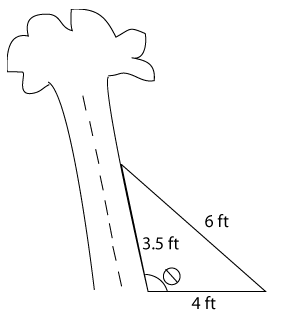
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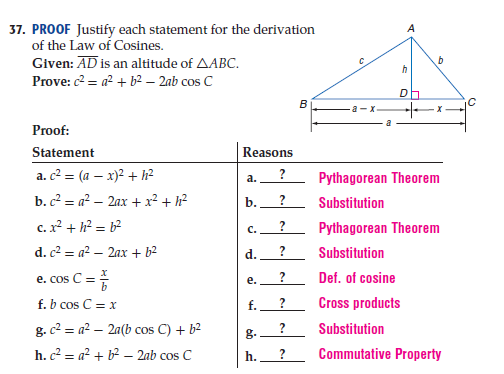
**Ex 3 Application**



110o

**Ex4 **



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