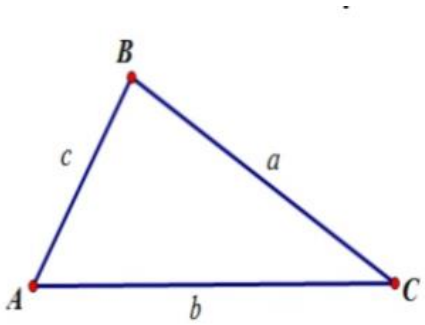
The Law of Cosines Practice

Use the Law of Cosines to solve each triangle. **Label the triangle and show all work!** Round your answers to the nearest tenth.

1. ΔABC

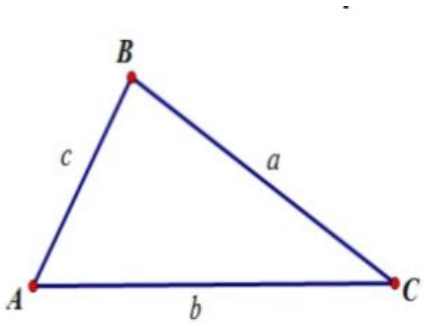


m∠A = _____ a = 25

m∠B = _____ b = 29

m∠C = 79° c = _____

2. ΔABC



m∠A = _____ a = 15

m∠B = _____ b = 21

m∠C = 47° c = _____

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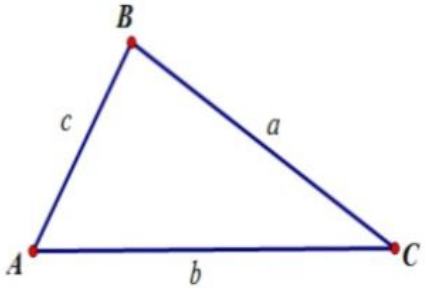
3. ΔABC

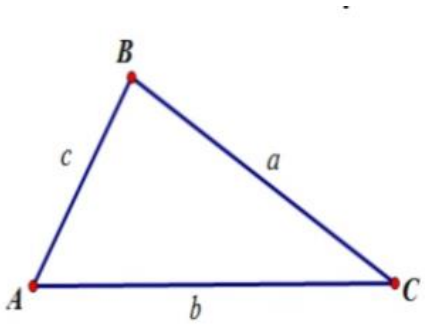


m∠A = 42° a = _____

m∠B = _____ b = 12

m∠C = _____ c = 19

7. ΔABC

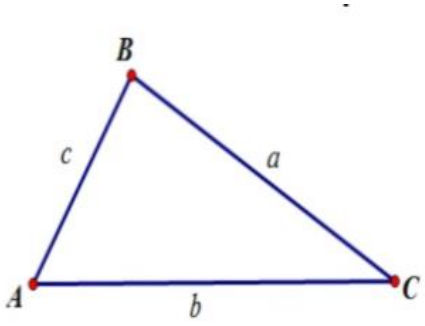


m∠A = _____ a = 15

m∠B = _____ b = 17

m∠C = _____ c = 29

8. ΔABC



m∠A = _____ a = 105

m∠B = _____ b = 76

m∠C= _____ c = 41