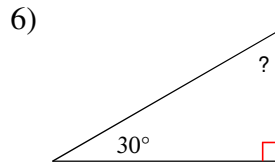
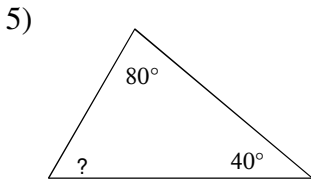
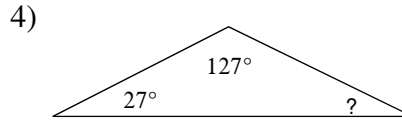
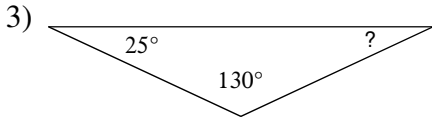
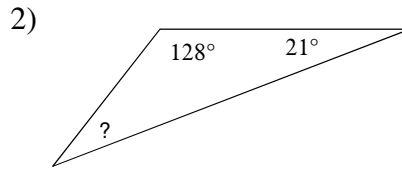
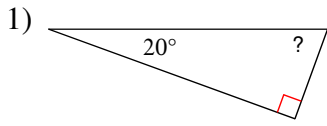


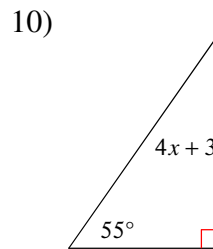
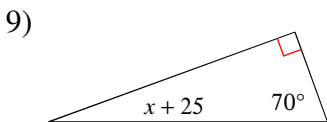
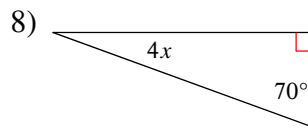
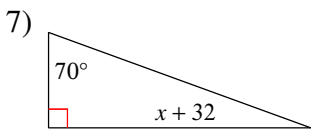
# Angles in Triangles - Section 4-2

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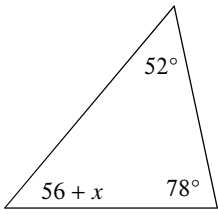
**Find the measure of each angle indicated.**



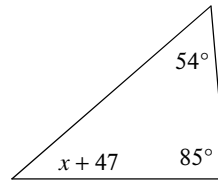
**Solve for x.**



11)

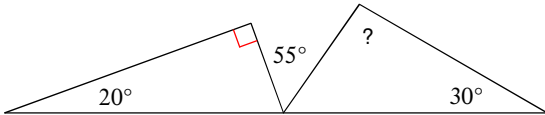


12)

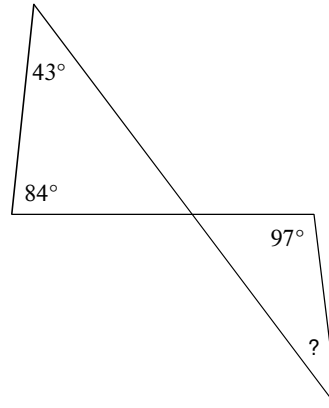


Find the measure of each missing angle. (Not just the "?" angle.)

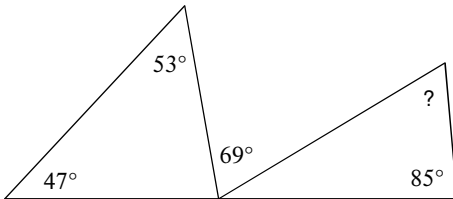
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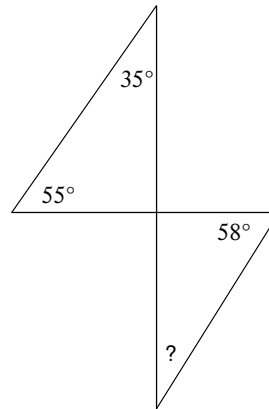
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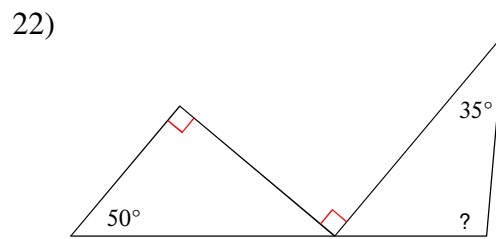
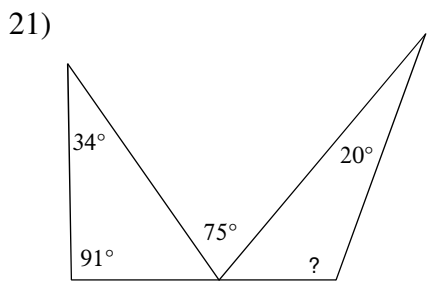
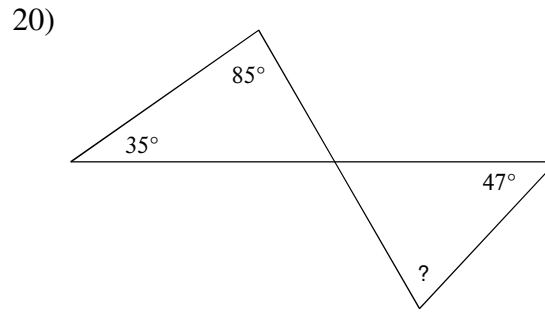
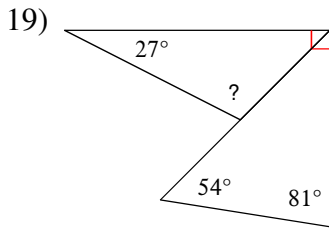
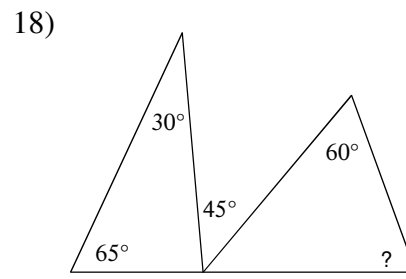
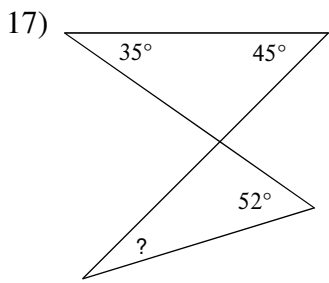


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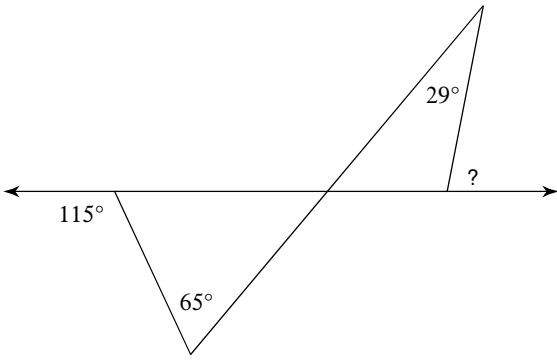


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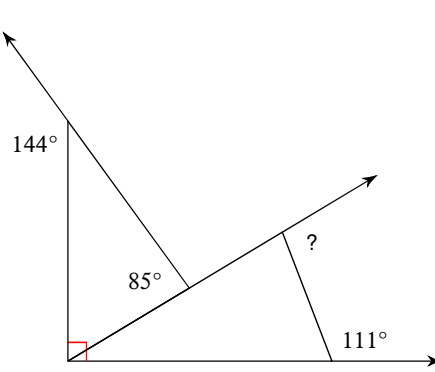




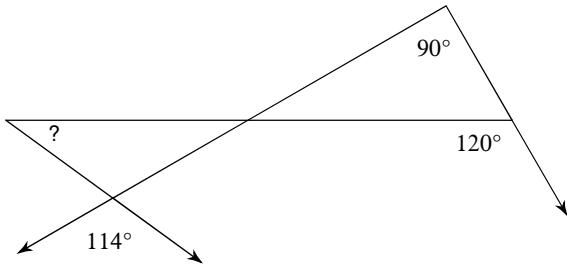
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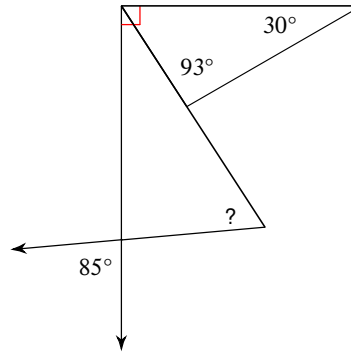
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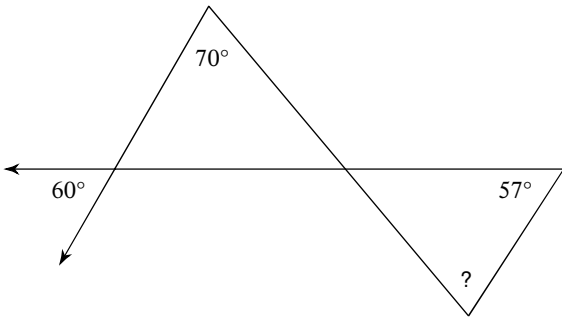
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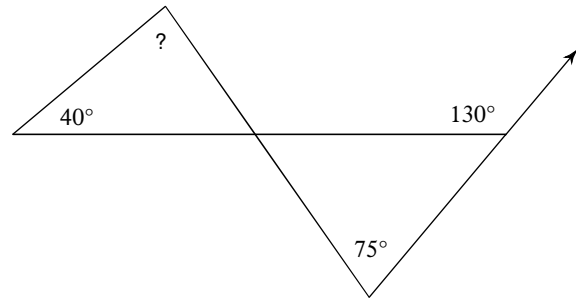
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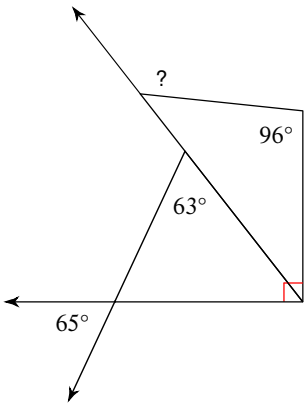
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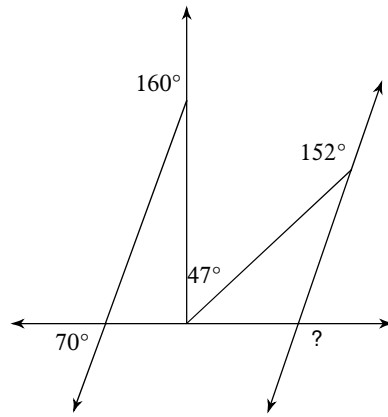
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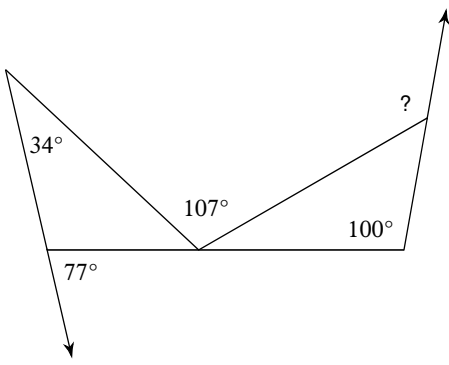
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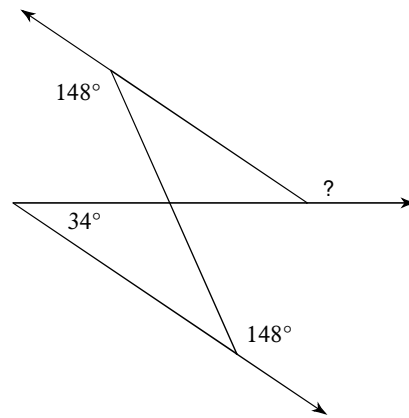
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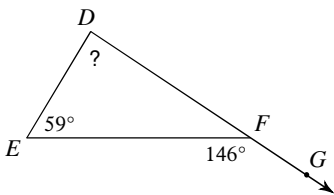
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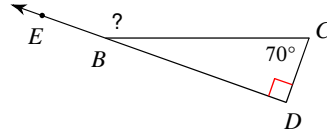
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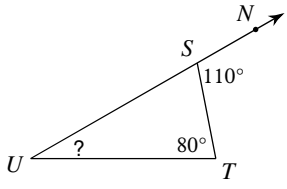
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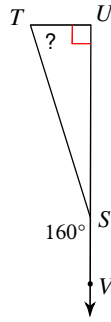
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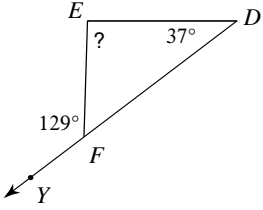
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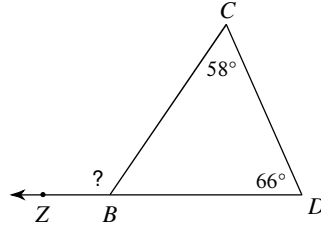
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37)

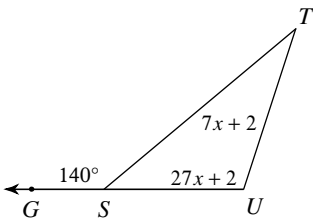


38)

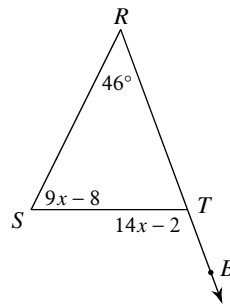


Based on the diagram: write an equation and solve the equation for  $x$ .

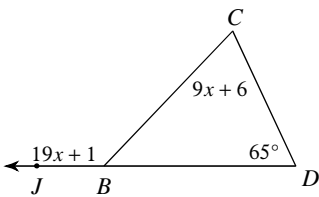
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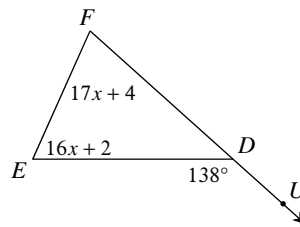
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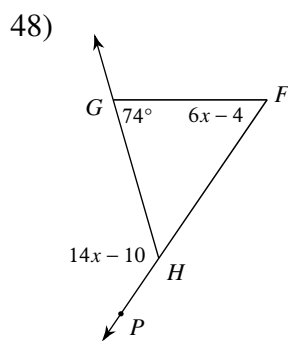
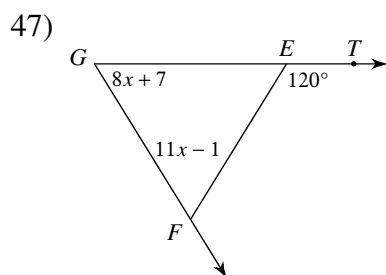
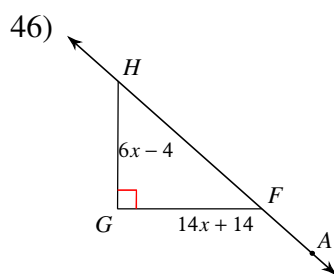
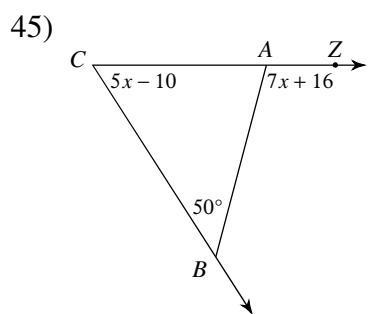
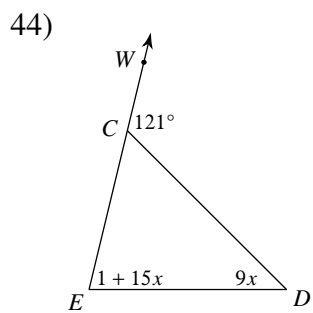
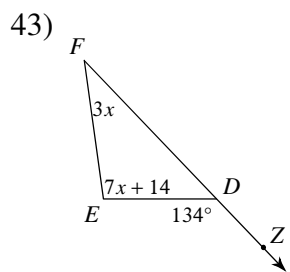


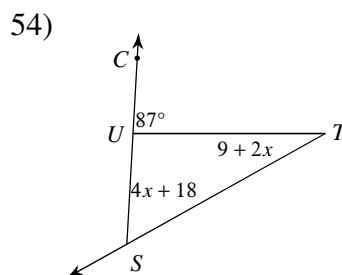
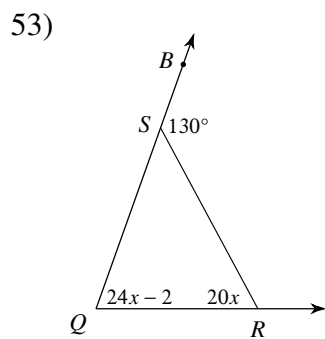
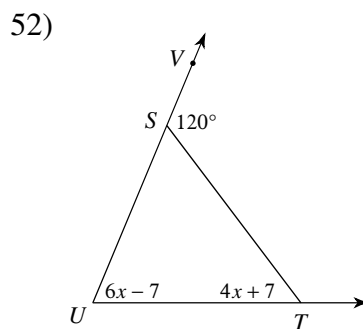
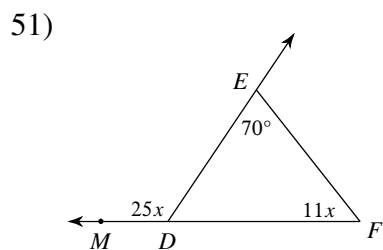
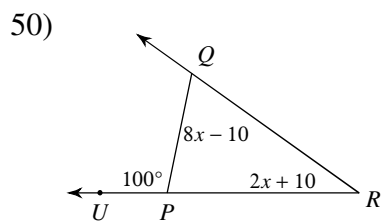
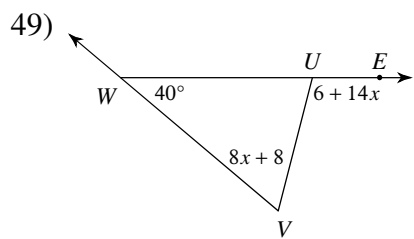
41)



42)









## Answers to Angles in Triangles - Section 4-2

- |                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 1) $70^\circ$   | 2) $31^\circ$   | 3) $25^\circ$   | 4) $26^\circ$   |
| 5) $60^\circ$   | 6) $60^\circ$   | 7) $-12$        | 8) $5$          |
| 9) $-5$         | 10) $8$         | 11) $-6$        | 12) $-6$        |
| 13) $95^\circ$  | 14) $30^\circ$  | 15) $64^\circ$  | 16) $32^\circ$  |
| 17) $28^\circ$  | 18) $70^\circ$  | 19) $108^\circ$ | 20) $73^\circ$  |
| 21) $110^\circ$ | 22) $95^\circ$  | 23) $79^\circ$  | 24) $100^\circ$ |
| 25) $36^\circ$  | 26) $62^\circ$  | 27) $73^\circ$  | 28) $85^\circ$  |
| 29) $134^\circ$ | 30) $109^\circ$ | 31) $130^\circ$ | 32) $146^\circ$ |
| 33) $87^\circ$  | 34) $160^\circ$ | 35) $30^\circ$  | 36) $70^\circ$  |
| 37) $92^\circ$  | 38) $124^\circ$ | 39) $4$         | 40) $8$         |
| 41) $7$         | 42) $4$         | 43) $12$        | 44) $5$         |
| 45) $12$        | 46) $9$         | 47) $6$         | 48) $10$        |
| 49) $7$         | 50) $10$        | 51) $5$         | 52) $12$        |
| 53) $3$         | 54) $10$        |                 |                 |