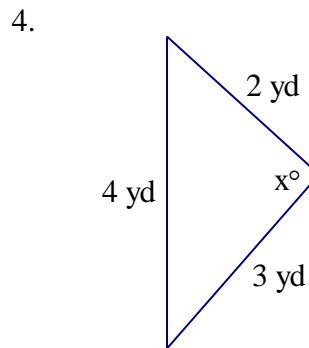
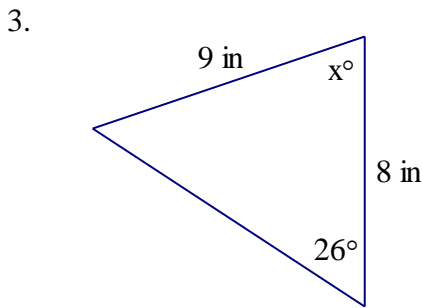
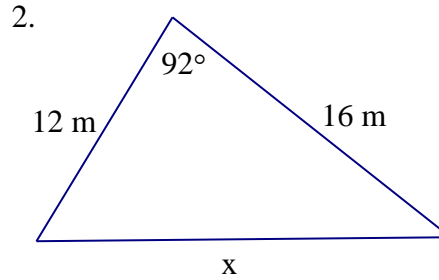
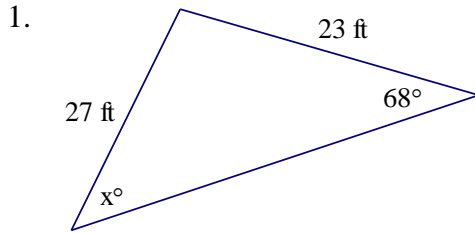
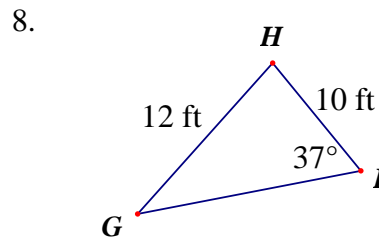
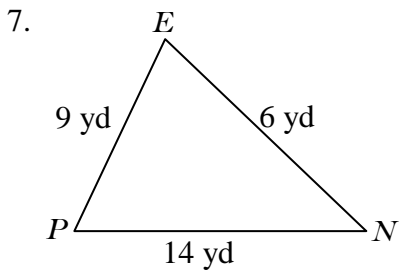
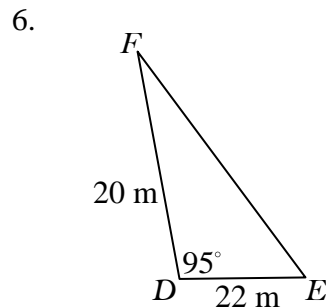
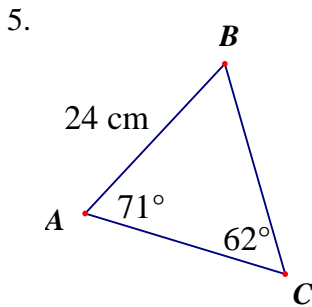


Solve for the unknown side or angle. Round to the nearest tenth.



Solve each triangle (find all of the missing sides and angles). Round to the nearest tenth.



Some information from $\triangle ABC$ is given. Find the missing sides and angles. Round to the nearest tenth.

9. $A = 28^\circ$, $b = 23\text{ cm}$, $c = 8\text{ cm}$

10. $B = 128^\circ$, $a = 16\text{ ft}$, $c = 24\text{ ft}$

11. $A = 36^\circ$, $B = 53^\circ$, $b = 17\text{ m}$

12. $A = 55^\circ$, $b = 12\text{ mi}$, $c = 7\text{ mi}$

13. $a = 3.3\text{ in}$, $b = 7.6\text{ in}$, $c = 6.4\text{ in}$

14. $A = 58^\circ$, $a = 27\text{ in}$, $b = 25\text{ in}$

Law of Sines and Cosines Practice – Answers

1. $x = 52.2^\circ$
2. $x = 20.3$ m
3. $x = 131.1^\circ$
4. $x = 104.5^\circ$
5. $m\angle B = 47^\circ$, $a = 25.7$ cm, $b = 19.9$ cm
6. $d = 31.0$ m, $m\angle E = 40.0^\circ$, $m\angle F = 45.0^\circ$
7. $m\angle E = 137.0^\circ$, $m\angle N = 26.0^\circ$, $m\angle P = 17.0^\circ$
8. $m\angle G = 30.1^\circ$, $m\angle H = 112.9^\circ$, $h = 18.4$ ft
9. $B = 138.7^\circ$, $C = 13.3^\circ$, $a = 16.4$ cm
10. $A = 20.4^\circ$, $C = 31.6^\circ$, $b = 36.1$ ft
11. $C = 91^\circ$, $a = 12.5$ m, $c = 21.3$ m
12. $a = 9.8$ mi, $B = 89.1^\circ$, $C = 35.9^\circ$
13. $A = 25.5^\circ$, $B = 98.0^\circ$, $C = 56.5^\circ$
14. $m\angle B = 51.7^\circ$, $m\angle C = 70.3^\circ$, $h = 30.0$ in