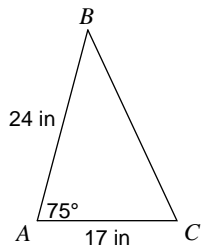


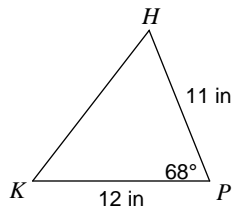
Law of Cosines Practice

Solve each triangle. Round your answers to the nearest tenth.

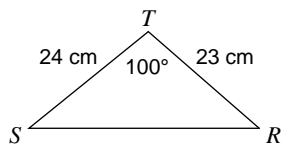
1)



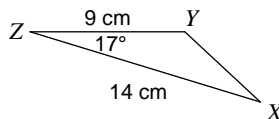
2)



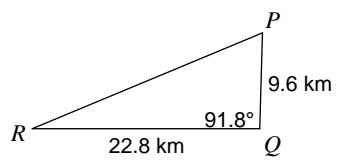
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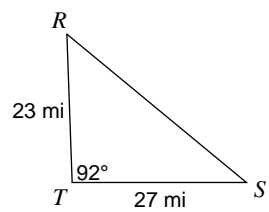
4)



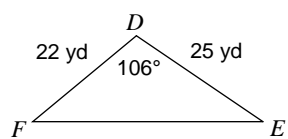
5)



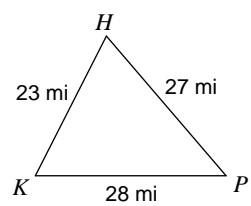
6)



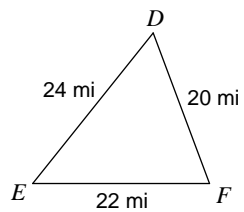
7)



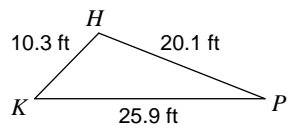
8)



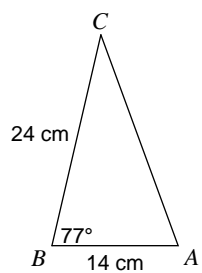
9)



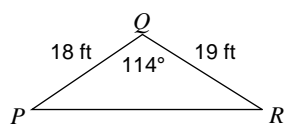
10)



11)



12)



Answers to Law of Cosines Practice

- 1) $m\angle B = 40.1^\circ$, $m\angle C = 64.9^\circ$, $a = 25.6$ in
- 2) $m\angle K = 52.4^\circ$, $m\angle H = 59.6^\circ$, $p = 12.9$ in
- 3) $m\angle R = 41^\circ$, $m\angle S = 39^\circ$, $t = 36$ cm
- 4) $m\angle X = 26^\circ$, $m\angle Y = 137^\circ$, $z = 6$ cm
- 5) $m\angle R = 22.5^\circ$, $m\angle P = 65.7^\circ$, $q = 25$ km
- 6) $m\angle R = 48.5^\circ$, $m\angle S = 39.5^\circ$, $t = 36.1$ mi
- 7) $m\angle E = 34.3^\circ$, $m\angle F = 39.7^\circ$, $d = 37.6$ yd
- 8) $m\angle P = 49.4^\circ$, $m\angle K = 63^\circ$, $m\angle H = 67.6^\circ$
- 9) $m\angle E = 51.3^\circ$, $m\angle F = 69.5^\circ$, $m\angle D = 59.2^\circ$
- 10) $m\angle H = 112.8^\circ$, $m\angle P = 21.5^\circ$, $m\angle K = 45.7^\circ$
- 11) $m\angle C = 33.1^\circ$, $m\angle A = 69.9^\circ$, $b = 24.9$ cm
- 12) $m\angle R = 32^\circ$, $m\angle P = 34^\circ$, $q = 31$ ft