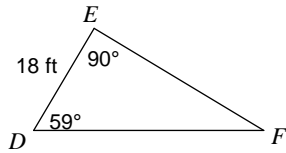


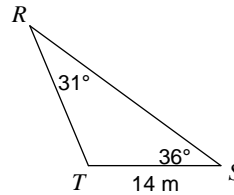
Solving Triangles

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

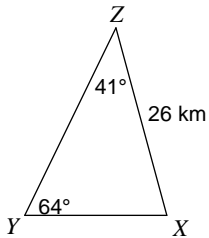
1)



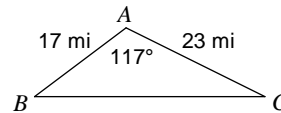
2)



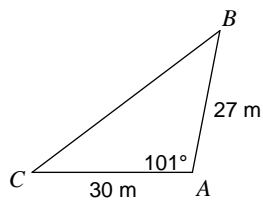
3)



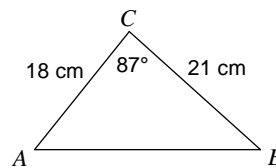
4)



5)



6)

7) In $\triangle DEF$, $m\angle E = 74^\circ$, $m\angle F = 82^\circ$, $e = 33$ cm8) In $\triangle HPK$, $m\angle H = 132^\circ$, $k = 10$ m, $p = 18$ m9) In $\triangle PKH$, $m\angle P = 106^\circ$, $h = 28$ m, $k = 24$ m10) $m\angle A = 95^\circ$, $c = 20$ in, $a = 31$ in11) $m\angle B = 155^\circ$, $m\angle A = 9^\circ$, $a = 16$ km12) In $\triangle CAB$, $m\angle C = 144^\circ$, $b = 18$ m, $a = 25$ m

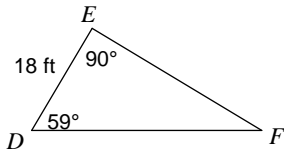
Answers to Solving Triangles (ID: 1)

- 1) $m\angle F = 31^\circ$, $e = 34.9$ ft, $d = 30$ ft
- 2) $m\angle T = 113^\circ$, $s = 16$ m, $t = 25$ m
- 3) $m\angle X = 75^\circ$, $z = 19$ km, $x = 27.9$ km
- 4) $m\angle B = 36.7^\circ$, $m\angle C = 26.3^\circ$, $a = 34.2$ mi
- 5) $m\angle B = 42^\circ$, $m\angle C = 37^\circ$, $a = 44$ m
- 6) $m\angle A = 51.1^\circ$, $m\angle B = 41.9^\circ$, $c = 26.9$ cm
- 7) $m\angle D = 24^\circ$, $f = 34$ cm, $d = 14$ cm
- 8) $m\angle P = 31.3^\circ$, $m\angle K = 16.7^\circ$, $h = 25.8$ m
- 9) $m\angle K = 33.7^\circ$, $m\angle H = 40.3^\circ$, $p = 41.6$ m
- 10) $m\angle C = 40^\circ$, $m\angle B = 45^\circ$, $b = 22$ in
- 11) $m\angle C = 16^\circ$, $b = 43.2$ km, $c = 28.2$ km
- 12) $m\angle A = 21^\circ$, $m\angle B = 15^\circ$, $c = 41$ m

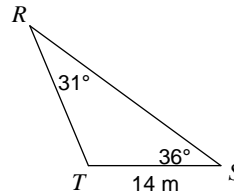
Solving Triangles

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

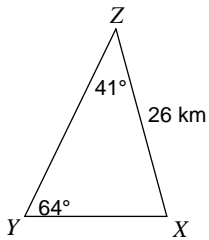
1)



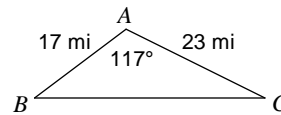
2)



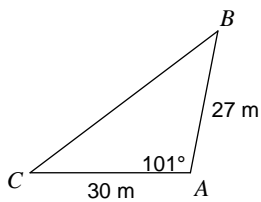
3)



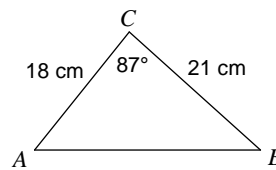
4)



5)



6)

7) In $\triangle DEF$, $m\angle E = 74^\circ$, $m\angle F = 82^\circ$, $e = 33$ cm8) In $\triangle HPK$, $m\angle H = 132^\circ$, $k = 10$ m, $p = 18$ m9) In $\triangle PKH$, $m\angle P = 106^\circ$, $h = 28$ m, $k = 24$ m10) $m\angle A = 95^\circ$, $c = 20$ in, $a = 31$ in11) $m\angle B = 155^\circ$, $m\angle A = 9^\circ$, $a = 16$ km12) In $\triangle CAB$, $m\angle C = 144^\circ$, $b = 18$ m, $a = 25$ m

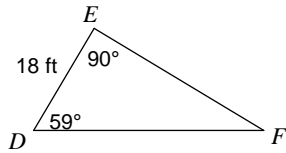
Answers to Solving Triangles (ID: 2)

- 1) $m\angle F = 31^\circ$, $e = 34.9$ ft, $d = 30$ ft
- 2) $m\angle T = 113^\circ$, $s = 16$ m, $t = 25$ m
- 3) $m\angle X = 75^\circ$, $z = 19$ km, $x = 27.9$ km
- 4) $m\angle B = 36.7^\circ$, $m\angle C = 26.3^\circ$, $a = 34.2$ mi
- 5) $m\angle B = 42^\circ$, $m\angle C = 37^\circ$, $a = 44$ m
- 6) $m\angle A = 51.1^\circ$, $m\angle B = 41.9^\circ$, $c = 26.9$ cm
- 7) $m\angle D = 24^\circ$, $f = 34$ cm, $d = 14$ cm
- 8) $m\angle P = 31.3^\circ$, $m\angle K = 16.7^\circ$, $h = 25.8$ m
- 9) $m\angle K = 33.7^\circ$, $m\angle H = 40.3^\circ$, $p = 41.6$ m
- 10) $m\angle C = 40^\circ$, $m\angle B = 45^\circ$, $b = 22$ in
- 11) $m\angle C = 16^\circ$, $b = 43.2$ km, $c = 28.2$ km
- 12) $m\angle A = 21^\circ$, $m\angle B = 15^\circ$, $c = 41$ m

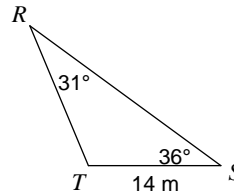
Solving Triangles

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

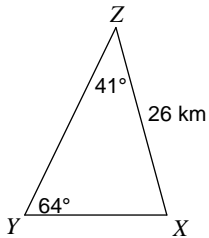
1)



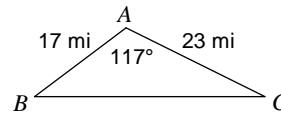
2)



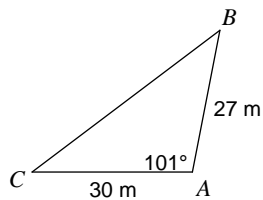
3)



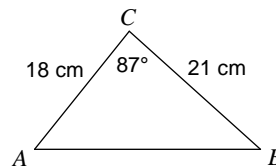
4)



5)



6)

7) In $\triangle DEF$, $m\angle E = 74^\circ$, $m\angle F = 82^\circ$, $e = 33$ cm8) In $\triangle HPK$, $m\angle H = 132^\circ$, $k = 10$ m, $p = 18$ m9) In $\triangle PKH$, $m\angle P = 106^\circ$, $h = 28$ m, $k = 24$ m10) $m\angle A = 95^\circ$, $c = 20$ in, $a = 31$ in11) $m\angle B = 155^\circ$, $m\angle A = 9^\circ$, $a = 16$ km12) In $\triangle CAB$, $m\angle C = 144^\circ$, $b = 18$ m, $a = 25$ m

Answers to Solving Triangles (ID: 3)

1) $m\angle F = 31^\circ$, $e = 34.9$ ft, $d = 30$ ft

3) $m\angle X = 75^\circ$, $z = 19$ km, $x = 27.9$ km

5) $m\angle B = 42^\circ$, $m\angle C = 37^\circ$, $a = 44$ m

7) $m\angle D = 24^\circ$, $f = 34$ cm, $d = 14$ cm

9) $m\angle K = 33.7^\circ$, $m\angle H = 40.3^\circ$, $p = 41.6$ m

11) $m\angle C = 16^\circ$, $b = 43.2$ km, $c = 28.2$ km

2) $m\angle T = 113^\circ$, $s = 16$ m, $t = 25$ m

4) $m\angle B = 36.7^\circ$, $m\angle C = 26.3^\circ$, $a = 34.2$ mi

6) $m\angle A = 51.1^\circ$, $m\angle B = 41.9^\circ$, $c = 26.9$ cm

8) $m\angle P = 31.3^\circ$, $m\angle K = 16.7^\circ$, $h = 25.8$ m

10) $m\angle C = 40^\circ$, $m\angle B = 45^\circ$, $b = 22$ in

12) $m\angle A = 21^\circ$, $m\angle B = 15^\circ$, $c = 41$ m