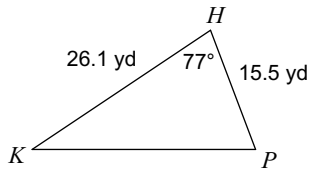


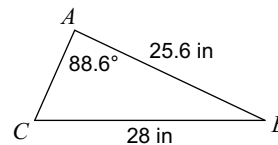
Solving Oblique Triangles

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

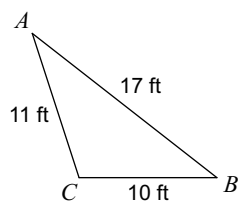
1)

2) In $\triangle STR$, $t = 28.1$ ft, $s = 23$ ft, $r = 9.6$ ft3) In $\triangle ABC$, $m\angle B = 61^\circ$, $m\angle C = 30^\circ$, $b = 14$ ft

4)



5)

6) $m\angle C = 35^\circ$, $b = 15$ km, $a = 29$ km7) In $\triangle CAB$, $m\angle C = 28^\circ$, $m\angle A = 57^\circ$, $b = 19$ cm8) In $\triangle BCA$, $m\angle C = 17.1^\circ$, $m\angle A = 18.9^\circ$, $b = 38$ km

Answers to Solving Oblique Triangles

- 1) $m\angle P = 69.3^\circ$, $m\angle K = 33.7^\circ$, $h = 27.2$ yd 2) $m\angle S = 49.2^\circ$, $m\angle T = 112.4^\circ$, $m\angle R = 18.4^\circ$
3) $m\angle A = 89^\circ$, $c = 8$ ft, $a = 16$ ft 4) $m\angle C = 66.1^\circ$, $m\angle B = 25.3^\circ$, $b = 12$ in
5) $m\angle C = 108^\circ$, $m\angle A = 34^\circ$, $m\angle B = 38^\circ$ 6) $m\angle A = 117.8^\circ$, $m\angle B = 27.2^\circ$, $c = 18.8$ km
7) $m\angle B = 95^\circ$, $c = 9$ cm, $a = 16$ cm 8) $m\angle B = 144^\circ$, $a = 20.9$ km, $c = 19$ km