PreCalc
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LOS LOC

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

1) In $\triangle CAB$, $c = 29.7$ in, $b = 16$ in, $a = 17.6$ in

2) In $\triangle PQR$, $q = 18$ in, $p = 14$ in, $r = 29$ in

3) In $\triangle RPQ$, $m\angle R = 41°$, $p = 16.8$ mi, $q = 27.8$ mi

4) In $\triangle TRS$, $m\angle T = 108.7°$, $s = 22.5$ km, $r = 16.8$ km

5) In $\triangle QRP$, $r = 26$ ft, $p = 30$ ft, $m\angle Q = 108°$

6) In $\triangle RST$, $m\angle R = 63°$, $m\angle S = 73.7°$, $r = 32.5$ mi

7) In $\triangle KHP$, $m\angle H = 16.9°$, $m\angle P = 119.1°$, $h = 10$ yd

8) In $\triangle DEF$, $m\angle E = 54°$, $m\angle F = 12°$, $e = 31$ yd

9) In $\triangle DEF$, $m\angle E = 11°$, $m\angle F = 19°$, $e = 23$ in

10) In $\triangle TRS$, $m\angle T = 27°$, $s = 28$ m, $t = 25$ m

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Answers to LOS LOC

1) $m\angle C = 124.1°$, $m\angle A = 29.4°$, $m\angle B = 26.5°$
2) $m\angle P = 21.8°$, $m\angle Q = 28.6°$, $m\angle R = 129.6°$
3) $m\angle P = 36.2°$, $m\angle Q = 102.8°$, $r = 18.7$ mi
4) $m\angle R = 29.7°$, $m\angle S = 41.6°$, $t = 32.1$ km
5) $m\angle R = 33.1°$, $m\angle P = 38.9°$, $q = 45.4$ ft
6) $m\angle T = 43.3°$, $t = 25$ mi, $s = 35$ mi
7) $m\angle K = 44°$, $p = 30.1$ yd, $k = 23.9$ yd
8) $m\angle D = 114°$, $f = 8$ yd, $d = 35$ yd
9) $m\angle D = 150°$, $f = 39.2$ in, $d = 60.3$ in
10) $m\angle R = 122.4°$, $m\angle S = 30.6°$, $r = 46.5$ m
Or $m\angle R = 3.6°$, $m\angle S = 149.4°$, $r = 3.5$ m

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