

Name : _____

Solving Triangles

T2S3

Solve each triangle from the given measurements. Round your answer to the nearest tenth.

1) $s = 17$ in, $t = 12$ in, $u = 14.5$ in

2) $m\angle X = 40.1^\circ$, $m\angle Y = 59.1^\circ$, $x = 15$ yd

$m\angle S =$ _____

$m\angle T =$ _____

$m\angle U =$ _____

3) $m\angle B = 96^\circ$, $d = 8$

$r = 43^\circ$, $q = 15$ in

$m\angle C =$ _____

$m\angle D =$ _____

$p =$ _____

$b =$ _____

$r =$ _____

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Name : _____

Answer key

T2S3

Solving Triangles

Solve each triangle from the given measurements. Round your answer to the nearest tenth.

1) $s = 17$ in, $t = 12$ in, $u = 14.5$ in

2) $m\angle X = 40.1^\circ$, $m\angle Y = 59.1^\circ$, $x = 15$ yd

$m\angle S =$ _____

80.8°

$m\angle T =$ _____

23 yd

$m\angle U =$ _____

20 yd

3) $m\angle B = 96^\circ$, $d = 8$

$r = 43^\circ$, $q = 15$ in

$m\angle C =$ _____

63°

$m\angle D =$ _____

48.6°

$p =$ _____

13.9 in

$b =$ _____

11 ft

$r =$ _____

10.6 in

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