

Name : _____

Solving Triangles

T2S3

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

1) $q = 17$ ft, $r = 11$ ft, $s = 13$ ft

2) $t = 56$ yd, $u = 98.9$ yd, $v = 98$ yd

$m\angle Q =$ _____

$m\angle R =$ _____

$m\angle S =$ _____

3) $m\angle C = 48.6^\circ$, $b =$ _____

1.8 ft, $z = 15.2$ ft

$m\angle B =$ _____

$m\angle Y =$ _____

$m\angle D =$ _____

$m\angle Z =$ _____

$c =$ _____

$x =$ _____

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Answer key

T2S3

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33°

74.4°

72.6°

3) $m\angle C = 48.6^\circ$, $b =$ _____

1.8 ft, $z = 15.2$ ft

$m\angle B =$ **35.4°**

$m\angle Y =$ **105.9°**

$m\angle D =$ **96°**

$m\angle Z =$ **42.1°**

$c =$ **8.3 in**

$x =$ **12 ft**