

Name : _____

Solving Triangles

T2S2

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

1) $m\angle P = 80^\circ$, $p = 30.3$ yd, $q = 21$ yd

2) $m\angle B = 59^\circ$, $m\angle C = 81^\circ$, $b = 40$ in

$m\angle Q =$ _____

$m\angle R =$ _____

$r =$ _____

3) $m\angle X = 52.2^\circ$, $m\angle Z = 75.3^\circ$, $x = 47.6$ yd, $w = 60$ yd

$m\angle Y =$ _____

$y =$ _____

$z =$ _____

$m\angle V =$ _____

$v =$ _____

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Answer key

T2S2

Solving Triangles

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

1) $m\angle P = 80^\circ$, $p = 30.3$ yd, $q = 21$ yd

2) $m\angle B = 59^\circ$, $m\angle C = 81^\circ$, $b = 40$ in

$m\angle Q =$ _____

40°

$m\angle R =$ _____

30 in

$r =$ _____

46.1 in

3) $m\angle X = 52.2^\circ$, $m\angle Y = 47.6^\circ$, $x = 47.6$ yd, $w = 60$ yd

$w = 60$ yd

$m\angle Y =$ _____

45°

$y =$ _____ **22 ft**

$m\angle V =$ _____ **72°**

$z =$ _____ **24 ft**

$v =$ _____ **64 yd**

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