

Name : _____

T2S2

Solving Triangles

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

1) $m\angle W = 45^\circ$, $x = 14.5$ yd, $y = 12$ yd

2) $r = 27$ in, $s = 13$ in, $t = 23$ in

$m\angle X =$ _____

$m\angle Y =$ _____

$w =$ _____

3) $f = 30$ ft, $g = 51$ ft

1 yd, $w = 28.4$ yd

$m\angle F =$ _____

$m\angle V =$ _____

$m\angle G =$ _____

$m\angle W =$ _____

$m\angle H =$ _____

$u =$ _____

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Name : _____

Answer key

T2S2

Solving Triangles

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

1) $m\angle W = 45^\circ$, $x = 14.5$ yd, $y = 12$ yd

2) $r = 27$ in, $s = 13$ in, $t = 23$ in

$m\angle X =$ _____

93°

$m\angle Y =$ _____

28.7°

$w =$ _____

58.3°

3) $f = 30$ ft, $g = 51$ ft

1 yd, $w = 28.4$ yd

$m\angle F =$ **35.3°**

$m\angle V =$ **45°**

$m\angle G =$ **100.8°**

$m\angle W =$ **73°**

$m\angle H =$ **43.9°**

$u =$ **26.2 yd**

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