

Name : _____

Solving Triangles

T2S2

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

1) $m\angle V = 57^\circ$, $v = 25.8$ yd, $w = 30.3$ yd

2) $m\angle G = 94.9^\circ$, $f = 2.1$ ft, $h = 6.5$ ft

$m\angle W =$ _____

$m\angle X =$ _____

$x =$ _____

3) $x = 28$ in, $y = 26$ in

$m\angle Z = 48^\circ$, $c = 28$ yd

$m\angle X =$ _____

$m\angle Y =$ _____

$m\angle Z =$ _____

$a =$ _____

$b =$ _____

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Answer key

T2S2

Solving Triangles

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

1) $m\angle V = 57^\circ$, $v = 25.8$ yd, $w = 30.3$ yd

2) $m\angle G = 94.9^\circ$, $f = 2.1$ ft, $h = 6.5$ ft

$m\angle W =$ _____

17.4°

$m\angle X =$ _____

67.7°

$x =$ _____

7 ft

3) $x = 28$ in, $y = 26$ i

$= 48^\circ$, $c = 28$ yd

$m\angle X =$ _____

81°

$m\angle Y =$ _____

64.6°

$a =$ _____

22 yd

$m\angle Z =$ _____

38.7°

$b =$ _____

21.1 yd

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