2.3 Worksheets

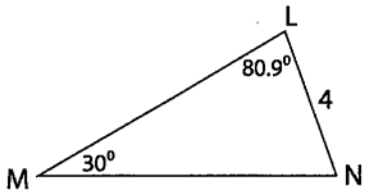
Name : _____

Missing Sides

Sheet 3

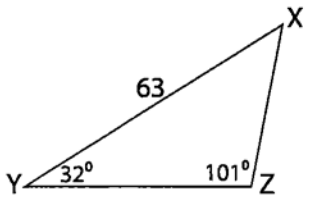
Find the measure of each indicated side. Round your answer to the nearest tenth.

1)



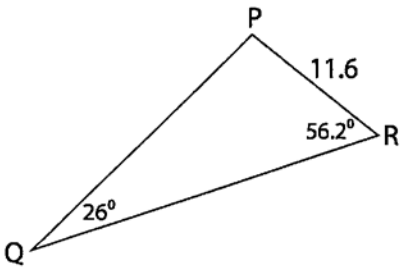
MN = _____

2)



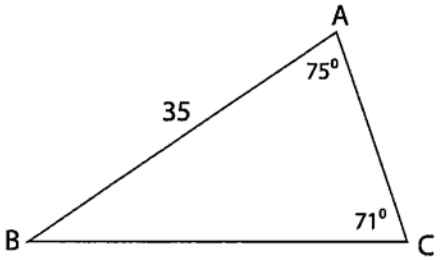
XZ = _____

3)



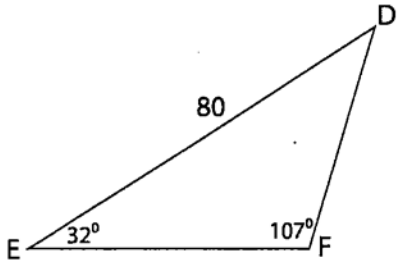
QR = _____

4)



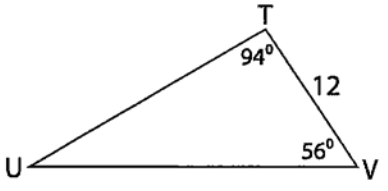
AC = _____

5)



EF = _____

6)



UV = _____

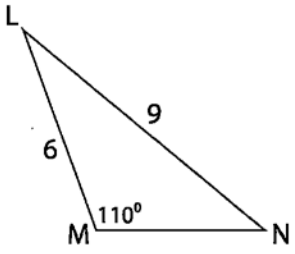
Name : _____

Unknown Angles

Sheet 3

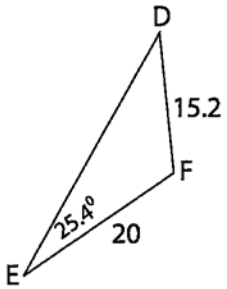
Find the measure of each indicated angle. Round your answer to the nearest tenth.

1)



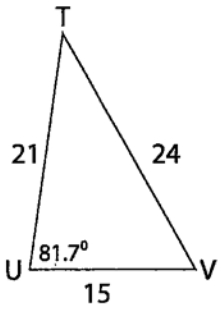
∠N = _____

2)



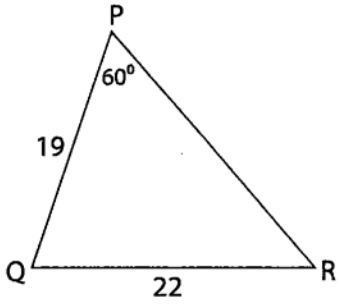
∠D = _____

3)



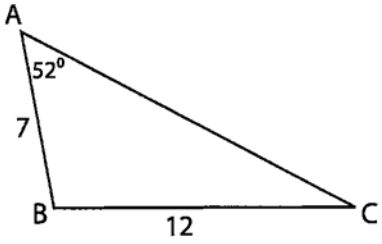
∠V = _____

4)



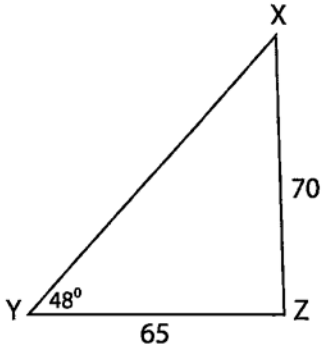
∠Q = _____

5)



∠B = _____

6)



∠X = _____

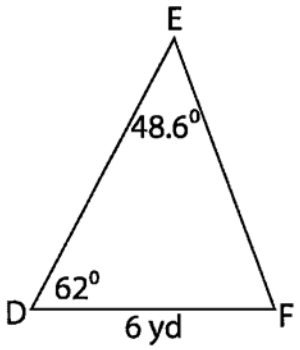
Name : _____

Solving Triangles

T1S3

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

1)

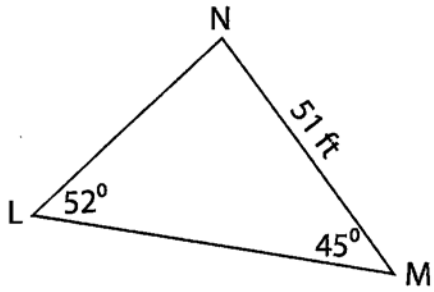


∠F = _____

d = _____

f = _____

2)

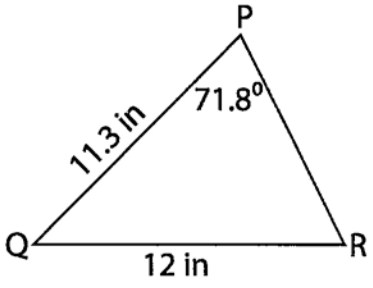


∠N = _____

m = _____

n = _____

3)

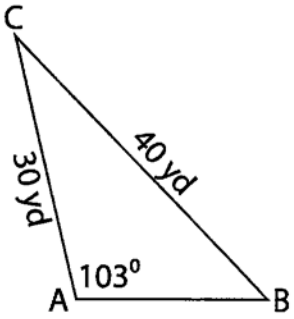


∠R = _____

∠Q = _____

q = _____

4)



∠B = _____

∠C = _____

c = _____

Name : _____

Possible Triangles

Sheet 3

Write the number of possible triangles that can be formed using given measurements.

1) $\angle S = 30^0$, r = 8 in, s = 6 in

2) $\angle T = 118^0$, t = 10.9 yd, v = 5.5 yd

3) $\angle X = 85^0$, x = 70 ft, z = 55 ft

4) $\angle Q = 69^0$, p = 32 in, q = 27 in

5) $\angle H = 120^0$, g = 75 yd, h = 75 yd

6) $\angle B = 55.8^0$, a = 44 ft, b = 42.7 ft