

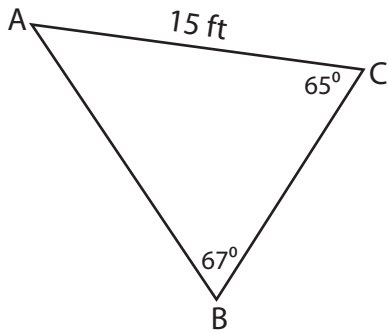
Name : \_\_\_\_\_

## Solving Triangles

T1S1

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

1)

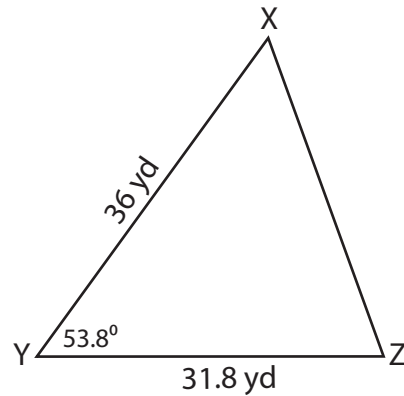


$$m\angle A = \underline{\hspace{2cm}}$$

$$a = \underline{\hspace{2cm}}$$

$$c = \underline{\hspace{2cm}}$$

2)

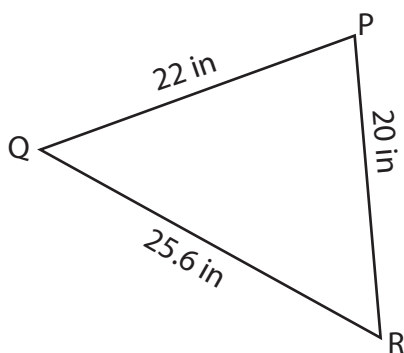


$$m\angle X = \underline{\hspace{2cm}}$$

$$m\angle Z = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

3)

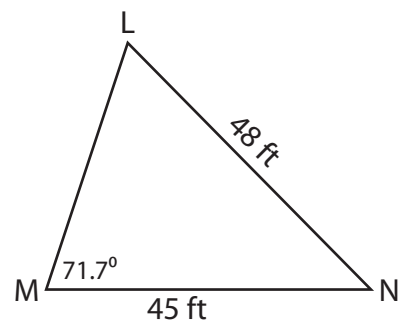


$$m\angle P = \underline{\hspace{2cm}}$$

$$m\angle Q = \underline{\hspace{2cm}}$$

$$m\angle R = \underline{\hspace{2cm}}$$

4)



$$m\angle L = \underline{\hspace{2cm}}$$

$$m\angle N = \underline{\hspace{2cm}}$$

$$n = \underline{\hspace{2cm}}$$

Name : \_\_\_\_\_

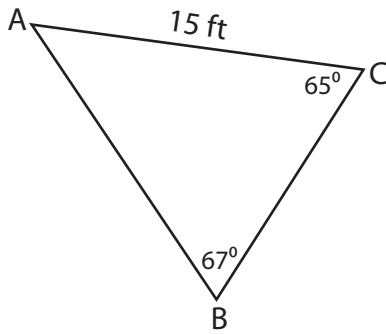
## Answer key

### Solving Triangles

T1S1

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

1)

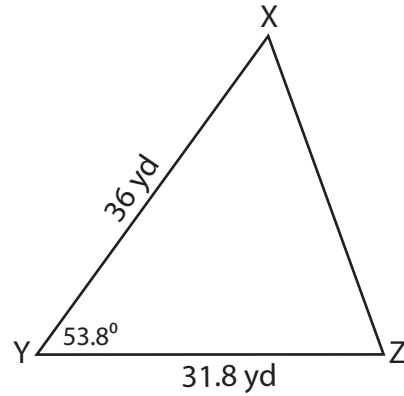


$m\angle A =$            **48°**          

$a =$            **12.1 ft**          

$c =$            **14.8 ft**          

2)

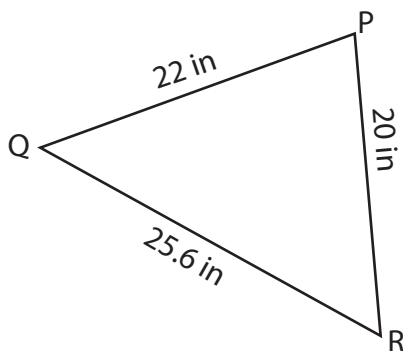


$m\angle X =$            **56.1°**          

$m\angle Z =$            **70.1°**          

$y =$            **30.9 yd**          

3)

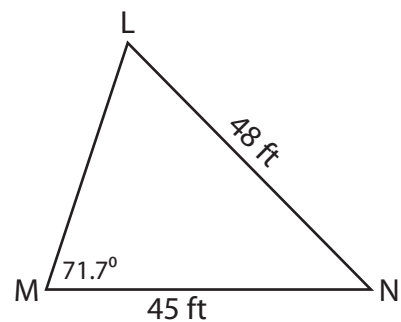


$m\angle P =$            **74.9°**          

$m\angle Q =$            **49°**          

$m\angle R =$            **56.1°**          

4)



$m\angle L =$            **62.9°**          

$m\angle N =$            **45.4°**          

$n =$            **36 ft**