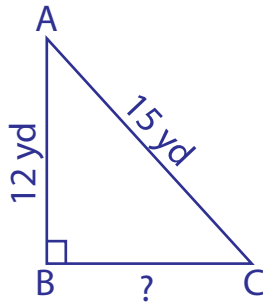


## Pythagorean Theorem

Sheet 1

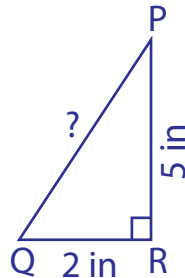
Determine the missing length in each right triangle using the Pythagorean theorem. Round the answer to the nearest tenth.

1)



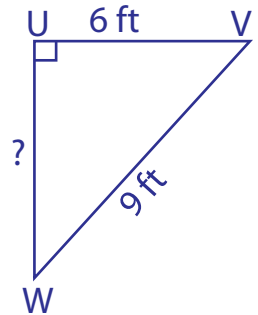
BC = \_\_\_\_\_

2)



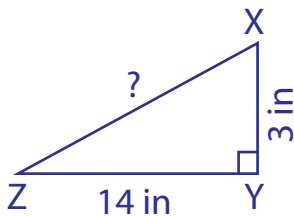
PQ = \_\_\_\_\_

3)



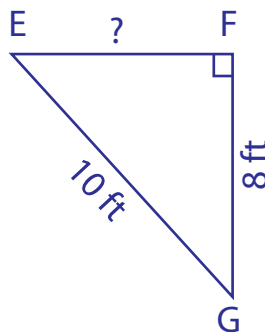
UW = \_\_\_\_\_

4)



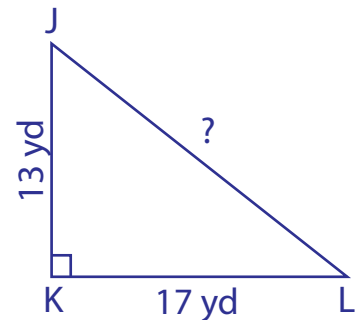
XZ = \_\_\_\_\_

5)



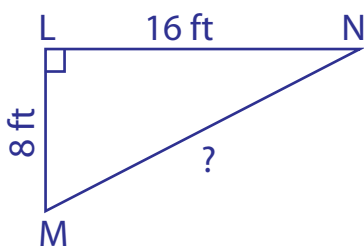
EF = \_\_\_\_\_

6)



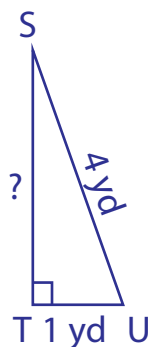
JL = \_\_\_\_\_

7)



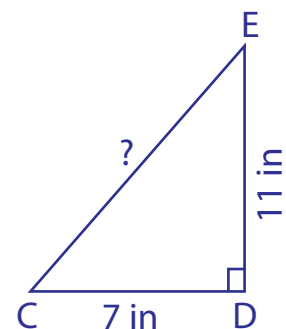
MN = \_\_\_\_\_

8)



ST = \_\_\_\_\_

9)



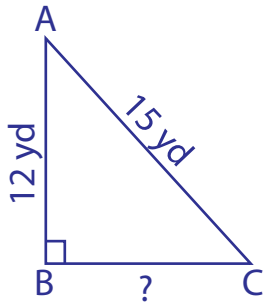
CE = \_\_\_\_\_

**Pythagorean Theorem**

Sheet 1

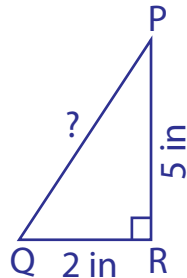
Determine the missing length in each right triangle using the Pythagorean theorem. Round the answer to the nearest tenth.

1)



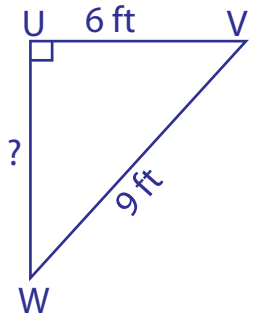
$$BC = \underline{\mathbf{9 \text{ yd}}}$$

2)



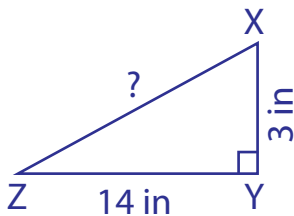
$$PQ = \underline{\mathbf{\sqrt{29} \approx 5.4 \text{ in}}}$$

3)



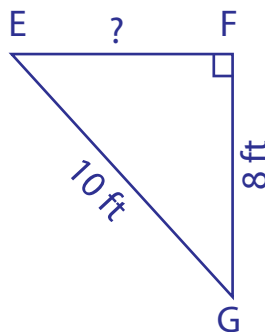
$$UW = \underline{\mathbf{\sqrt{45} \approx 6.7 \text{ ft}}}$$

4)



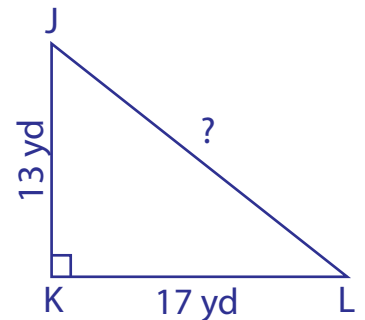
$$XZ = \underline{\mathbf{\sqrt{205} \approx 14.3 \text{ in}}}$$

5)



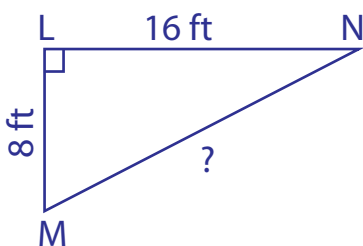
$$EF = \underline{\mathbf{6 \text{ ft}}}$$

6)



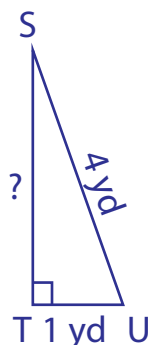
$$JL = \underline{\mathbf{\sqrt{458} \approx 21.4 \text{ yd}}}$$

7)



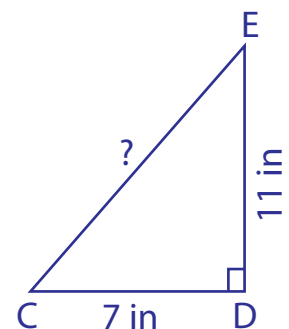
$$MN = \underline{\mathbf{\sqrt{320} \approx 17.9 \text{ ft}}}$$

8)



$$ST = \underline{\mathbf{\sqrt{15} \approx 3.9 \text{ yd}}}$$

9)



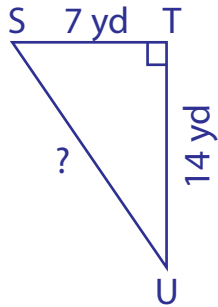
$$CE = \underline{\mathbf{\sqrt{170} \approx 13 \text{ in}}}$$

## Pythagorean Theorem

Sheet 2

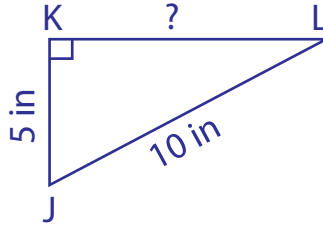
Determine the missing length in each right triangle using the Pythagorean theorem. Round the answer to the nearest tenth.

1)



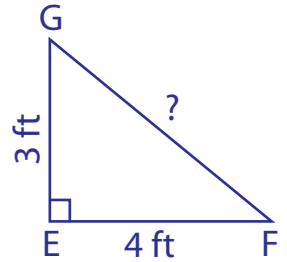
$$SU = \underline{\hspace{2cm}}$$

2)



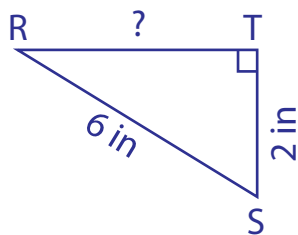
$$KL = \underline{\hspace{2cm}}$$

3)



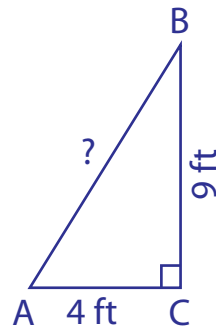
$$FG = \underline{\hspace{2cm}}$$

4)



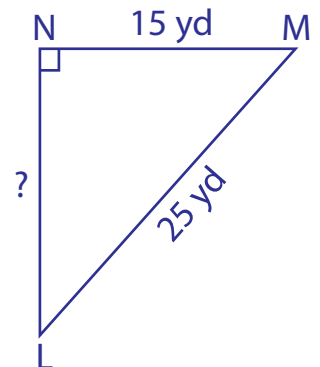
$$RT = \underline{\hspace{2cm}}$$

5)



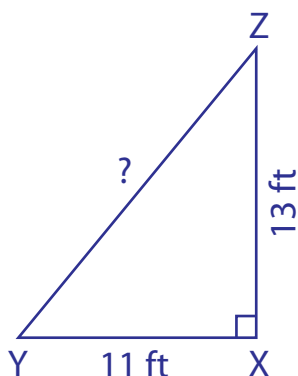
$$AB = \underline{\hspace{2cm}}$$

6)



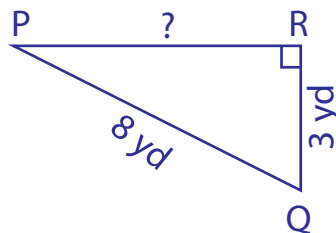
$$NL = \underline{\hspace{2cm}}$$

7)



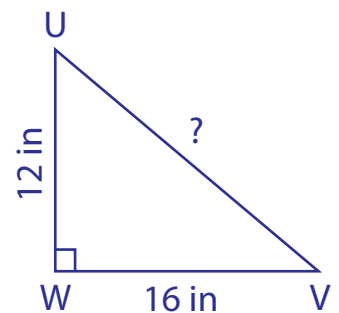
$$YZ = \underline{\hspace{2cm}}$$

8)



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

9)



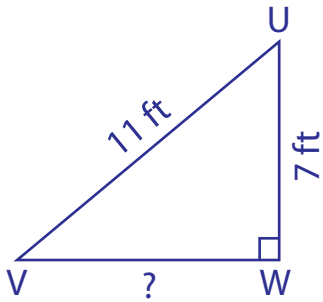
$$UV = \underline{\hspace{2cm}}$$

## Pythagorean Theorem

Sheet 3

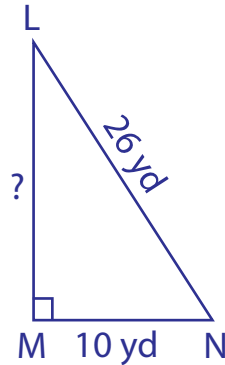
Determine the missing length in each right triangle using the Pythagorean theorem. Round the answer to the nearest tenth.

1)



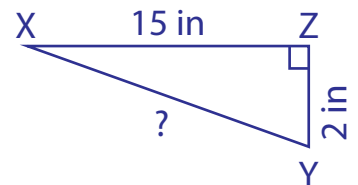
$$VW = \underline{\hspace{2cm}}$$

2)



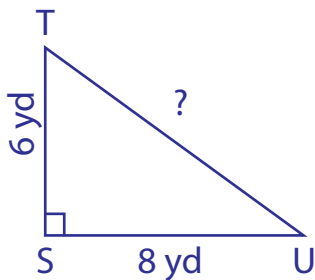
$$LM = \underline{\hspace{2cm}}$$

3)



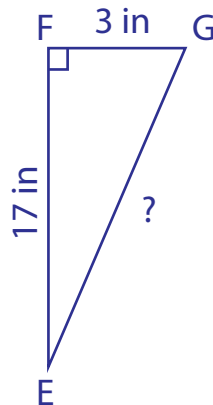
$$XY = \underline{\hspace{2cm}}$$

4)



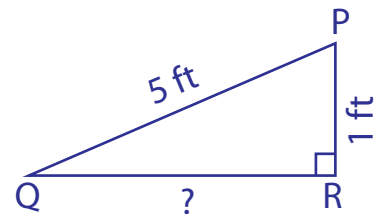
$$TU = \underline{\hspace{2cm}}$$

5)



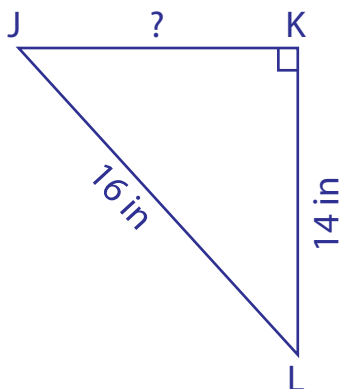
$$EG = \underline{\hspace{2cm}}$$

6)



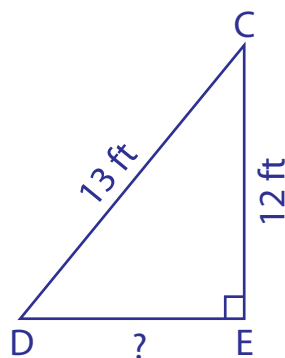
$$QR = \underline{\hspace{2cm}}$$

7)



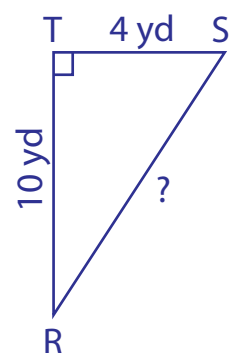
$$JK = \underline{\hspace{2cm}}$$

8)



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

9)



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