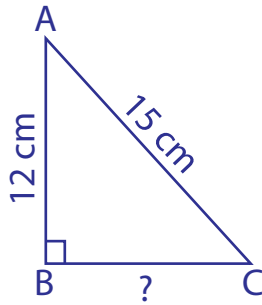


Pythagorean Theorem

Sheet 1

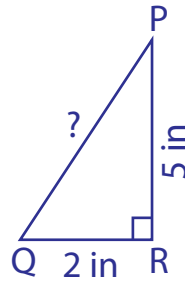
Determine the missing length in each right triangle using the Pythagorean theorem. Round the answer to the nearest tenth.

1)



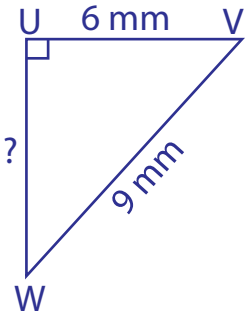
BC = _____

2)



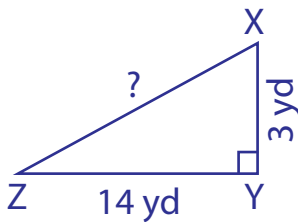
PQ = _____

3)



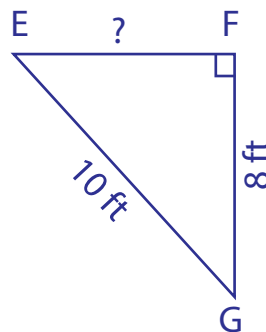
UW = _____

4)



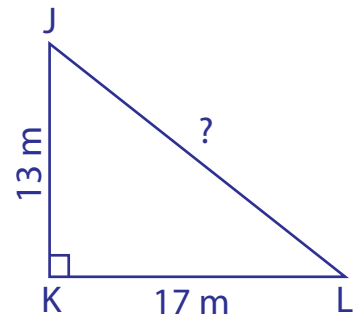
XZ = _____

5)



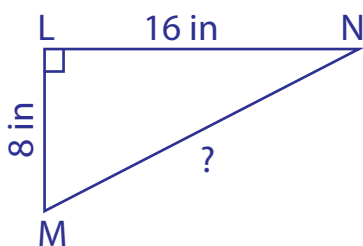
EF = _____

6)



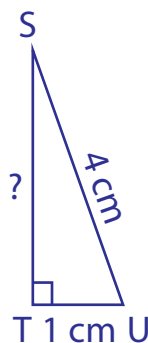
JL = _____

7)



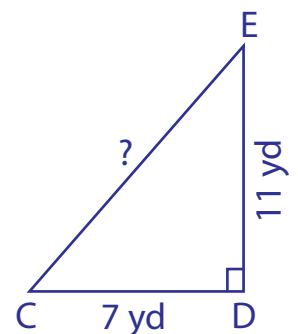
MN = _____

8)



ST = _____

9)



CE = _____

Name : _____

Answer Key

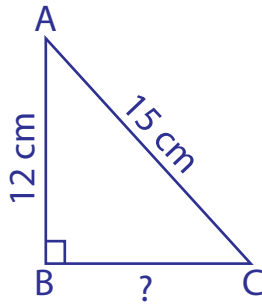
Score : _____

Pythagorean Theorem

Sheet 1

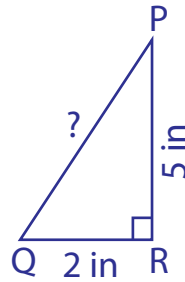
Determine the missing length in each right triangle using the Pythagorean theorem. Round the answer to the nearest tenth.

1)



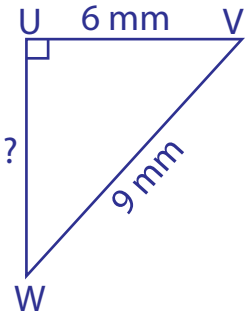
$$BC = \underline{\quad 9 \text{ cm} \quad}$$

2)



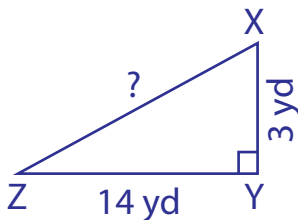
$$PQ = \underline{\sqrt{29} \approx 5.4 \text{ in} \quad}$$

3)



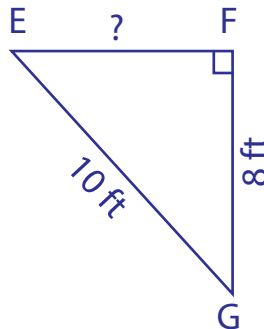
$$UW = \underline{\sqrt{45} \approx 6.7 \text{ mm} \quad}$$

4)



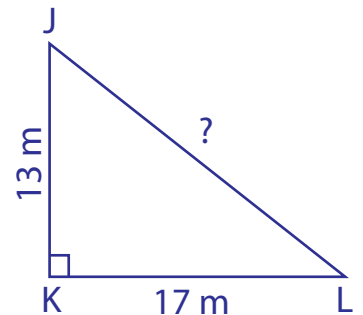
$$XZ = \underline{\sqrt{205} \approx 14.3 \text{ yd} \quad}$$

5)



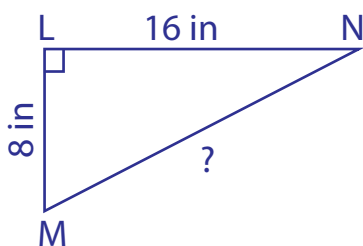
$$EF = \underline{\quad 6 \text{ ft} \quad}$$

6)



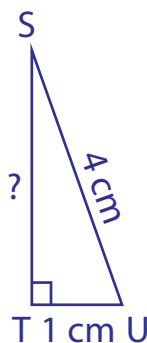
$$JL = \underline{\sqrt{458} \approx 21.4 \text{ m} \quad}$$

7)



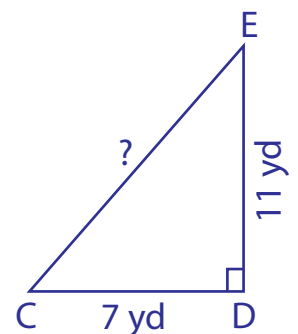
$$MN = \underline{\sqrt{320} \approx 17.9 \text{ in} \quad}$$

8)



$$ST = \underline{\sqrt{15} \approx 3.9 \text{ cm} \quad}$$

9)



$$CE = \underline{\sqrt{170} \approx 13 \text{ yd} \quad}$$