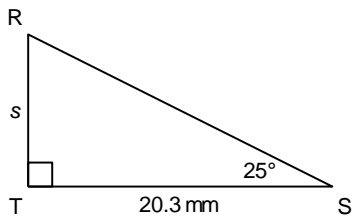
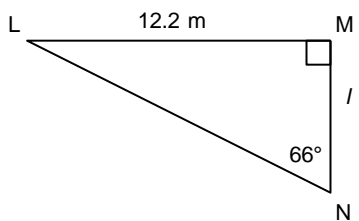


Finding Side Lengths using Trigonometry

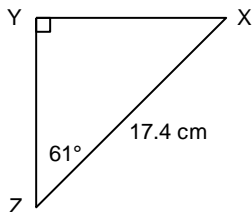
1. Determine the length of side s to the nearest tenth of a millimetre.



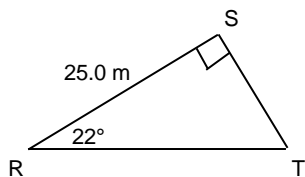
2. A wheelchair ramp is 7.0 m long. Its angle of inclination is 9° . Calculate the rise of the ramp to the nearest tenth of a metre.
3. Determine the length of side l to the nearest tenth of a metre.



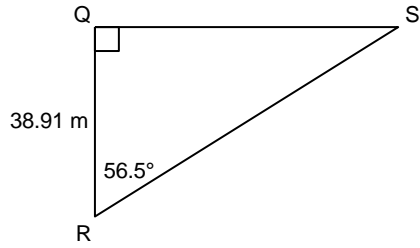
4. Determine the length of XY to the nearest tenth of a centimetre.



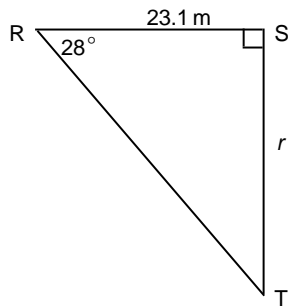
5. Determine the length of RT to the nearest tenth of a metre.



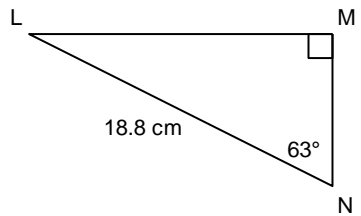
6. A surveyor made the measurements shown in the diagram. Determine the distance from R to S, to the nearest hundredth of a metre.



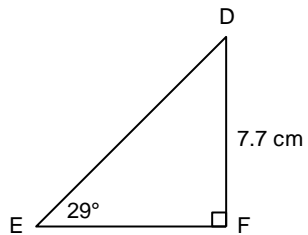
7. Determine the length of side r to the nearest tenth of a metre.



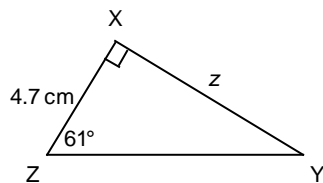
8. Determine the length of MN to the nearest tenth of a centimetre.



9. Determine the length of DE to the nearest tenth of a centimetre.



10. Determine the length of side z to the nearest tenth of a centimetre.



Finding Side Lengths using Trigonometry

Answer Section

SHORT ANSWER

1. ANS:
9.5 mm
2. ANS:
1.1 m
3. ANS:
5.4 m
4. ANS:
15.2 cm
5. ANS:
27.0 m
6. ANS:
70.50 m
7. ANS:
12.3 m
8. ANS:
8.5 cm
9. ANS:
15.9 cm
10. ANS:
8.5 cm