 Trigonometry – goal free problems

Your task

Determine as much information as you can about every side and angle from each of the diagrams below.

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 

Outcomes

* generalises mathematical ideas and techniques to analyse and solve problems efficiently MA5.3‑2WM
* uses deductive reasoning in presenting arguments and formal proofs MA5.3‑3WM
* applies Pythagoras’ theorem, trigonometric relationships, the sine rule, the cosine rule and the area rule to solve problems, including problems involving three dimensions MA5.3‑15MG