1) Calculate the angle between the line DF and the plane ABCD in the cuboid pictured below, giving your answer to 1 decimal place.

2) Calculate the angle between the line AF and the plane ABCD in the prism pictured below, giving your answer to 1 decimal place.
3) Calculate the angle between the length AE and the base ABCD in the pyramid pictured below, giving your answer to 1 decimal place.

4) Calculate the angle between the length BE and the base ABCD in the pyramid pictured below, giving your answer to 1 decimal place.
5) Calculate the angle between the line BH and the plane ABCD in the cuboid pictured below, giving your answer to 1 decimal place.

6) Calculate the angle between the face BCE and the base ABCD in the pyramid pictured below, giving your answer to 1 decimal place.
7) Calculate the angle between the length AE and the base ABCD in the pyramid pictured below, giving your answer to 1 decimal place.

8) Calculate the angle between the line AF and the plane ABCD in the prism pictured below, giving your answer to 1 decimal place.
Solutions for the assessment 3D Trigonometry

1) Angle = 52°

2) Angle = 27.8°

3) Angle = 77.8°

4) Angle = 76.4°

5) Angle = 34.5°

6) Angle = 79°

7) Angle = 74.6°

8) Angle = 40.9°