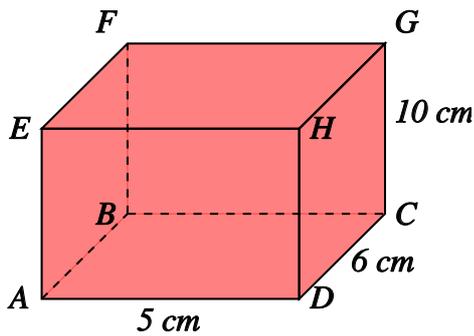


3D Trigonometry

Name:	Class:	Date:
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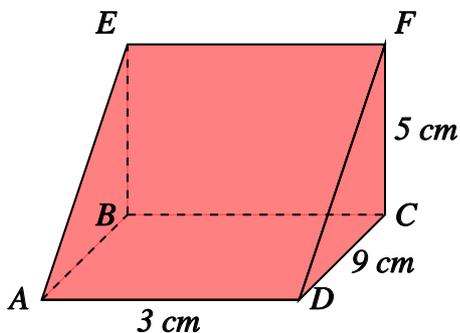
Mark	/ 8	%
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1) Calculate the angle between the line DF and the plane ABCD in the cuboid pictured below, giving your answer to 1 decimal place.



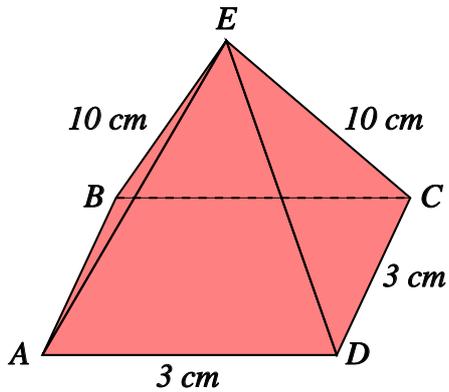
[1]

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



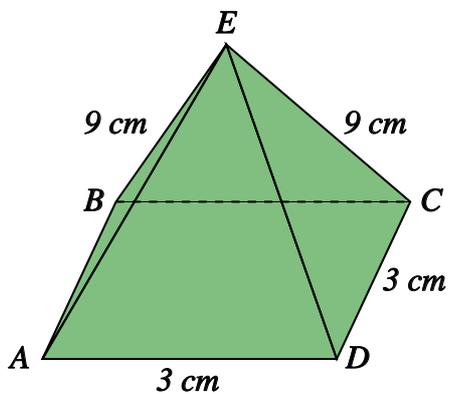
[1]

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



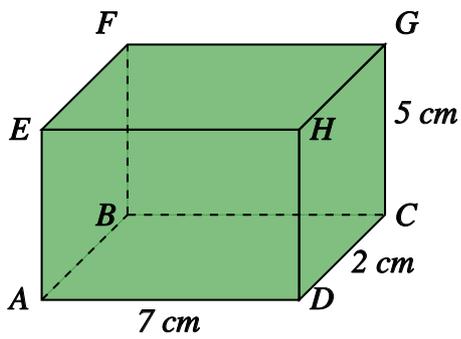
[1]

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



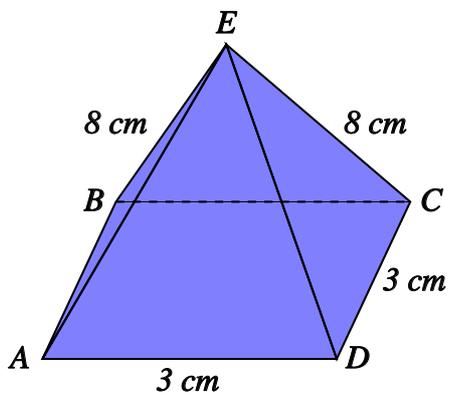
[1]

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



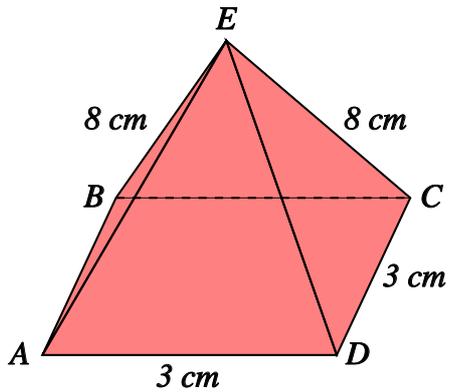
[1]

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



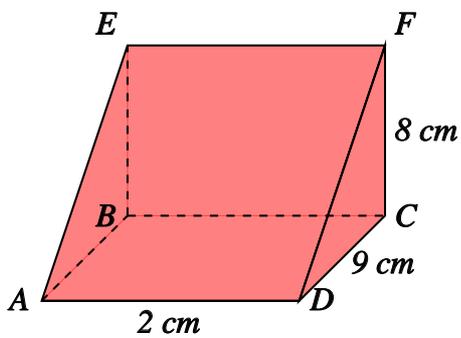
[1]

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



[1]

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



[1]

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°