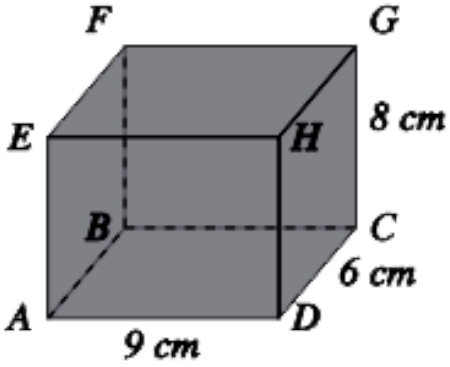
Name: Date:

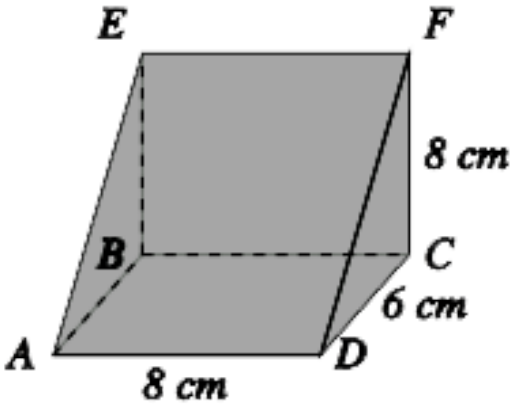
3D Pythagoras

1) Find the length of AC in the shape pictured below, giving your answer to 3 significant figures.



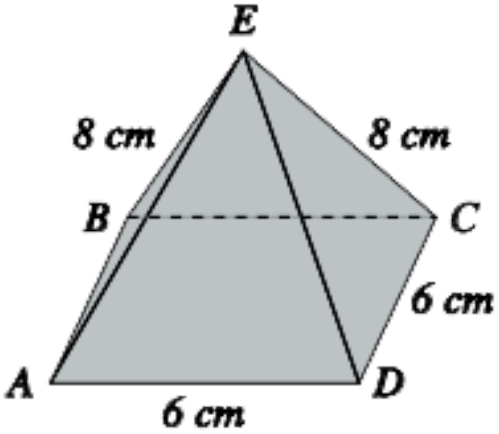
AC = _____

2) Find the length of BD in the shape pictured below, giving your answer to 3 significant figures.



BD = _____

3) Find the length of AC in the shape pictured below, giving your answer to 3 significant figures.

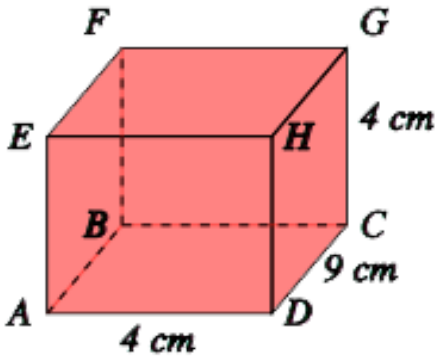


AC = _____

Name: Date:

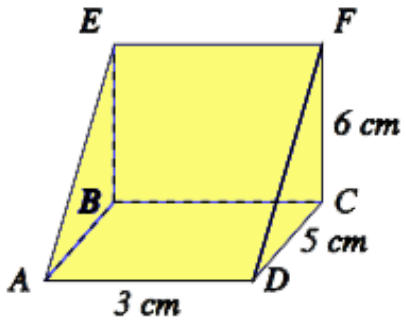
3D Pythagoras

4) Find the length of DF in the shape pictured below, giving your answer to 3 significant figures.



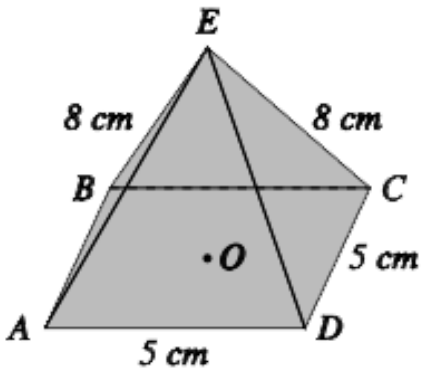
DF = _____

5) Find the length of DE in the shape pictured below, giving your answer to 3 significant figures.



DE = _____

6) Find the length of OC in the shape pictured below where O is the centre of the base ABCD.
Give your answer to 3 significant figures.

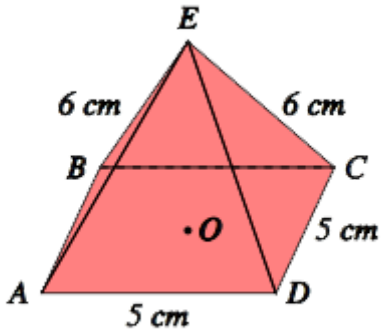


OC = _____

Name: Date:

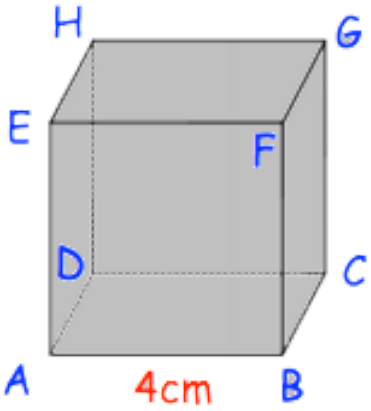
3D Pythagoras

7) Find the vertical height, OE, of the pyramid pictured below (where O is the centre of the base ABCD).
Give your answer to 3 significant figures.



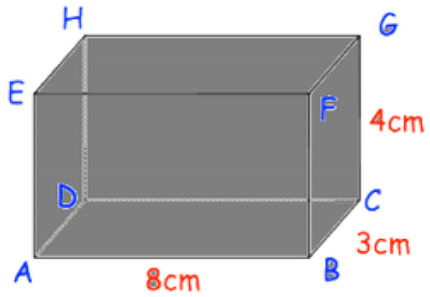
OE = _____

8) Shown is a cube with side length 4cm.
Calculate the length AG



AG = _____

9) Shown below is a cuboid.
AB = 8cm, BC = 3cm and CG = 4cm
Find the length AG

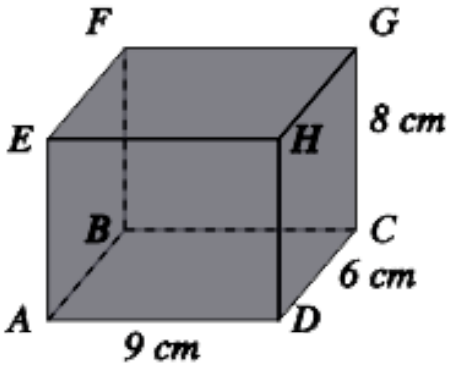


AG = _____

Name: Date:

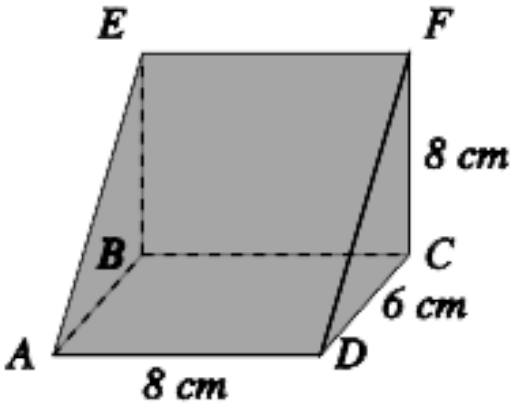
3D Pythagoras - Answers

1) Find the length of AC in the shape pictured below, giving your answer to 3 significant figures.



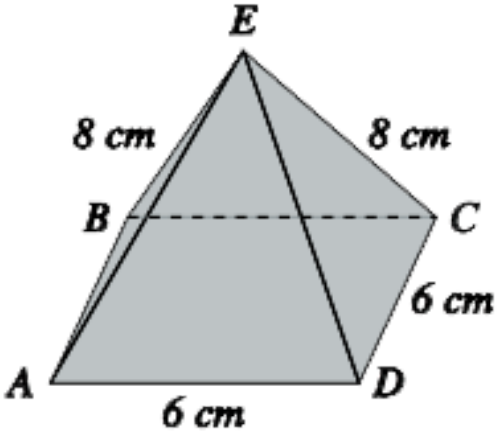
AC = 10.8 cm

2) Find the length of BD in the shape pictured below, giving your answer to 3 significant figures.



BD = 10 cm

3) Find the length of AC in the shape pictured below, giving your answer to 3 significant figures.

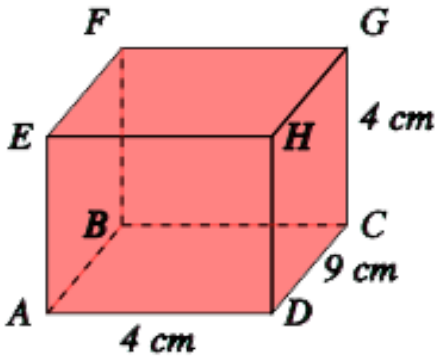


AC = 8.47 cm

Name: Date:

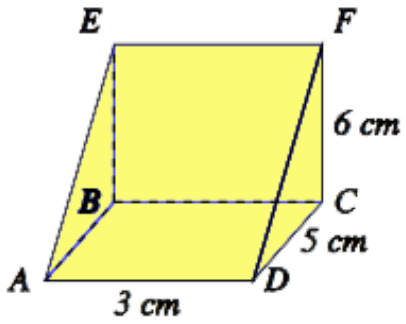
3D Pythagoras - Answers

4) Find the length of DF in the shape pictured below, giving your answer to 3 significant figures.



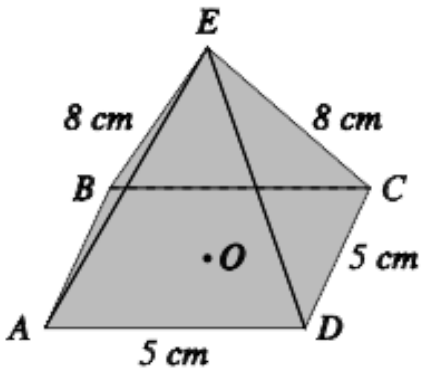
DF = 10.6 cm

5) Find the length of DE in the shape pictured below, giving your answer to 3 significant figures.



DE = 8.37 cm

6) Find the length of OC in the shape pictured below where O is the centre of the base ABCD.
Give your answer to 3 significant figures.

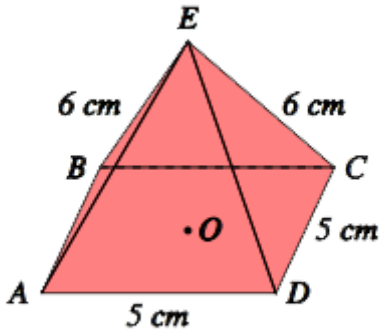


OC = 3.54 cm

Name: Date:

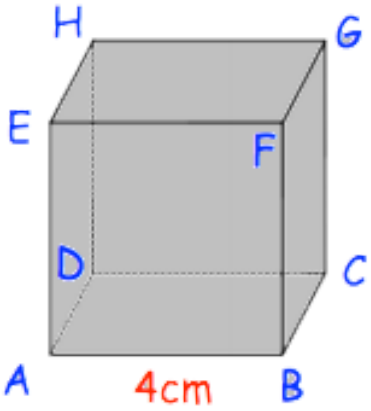
3D Pythagoras - Answers

7) Find the vertical height, OE, of the pyramid pictured below (where O is the centre of the base ABCD).
Give your answer to 3 significant figures.



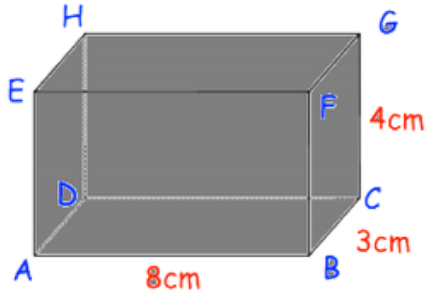
OE = 4.85 cm

8) Shown is a cube with side length 4cm.
Calculate the length AG



AG = 6.928 cm

9) Shown below is a cuboid.
AB = 8cm, BC = 3cm and CG = 4cm
Find the length AG



AG = 9.434 cm