**3D Pythagoras**

|  |  |  |
| --- | --- | --- |
| Name : | Class : | Date : |

|  |  |  |
| --- | --- | --- |
| Mark : | /7 | % |

|  |  |
| --- | --- |
| **1)** Find the length of BD in the shape pictured below, giving your answer to 3 significant figures.http://www.mathster.com/course/simgs/1468323784_1.png       | [1]   |
| **2)** Find the length of AC in the shape pictured below, giving your answer to 3 significant figures.http://www.mathster.com/course/simgs/1468323784_2.png       | [1]   |
| **3)** Find the length of AC in the shape pictured below, giving your answer to 3 significant figures.http://www.mathster.com/course/simgs/1468323784_3.png       | [1]   |
| **4)** Find the length of BH in the shape pictured below, giving your answer to 3 significant figures.http://www.mathster.com/course/simgs/1468323784_4.png       | [1]   |
| **5)** Find the length of DE in the shape pictured below, giving your answer to 3 significant figures.http://www.mathster.com/course/simgs/1468323784_5.png       | [1]   |
| **6)** Find the length of OD in the shape pictured below where O is the centre of the base ABCD.Give your answer to 3 significant figures.http://www.mathster.com/course/simgs/1468323784_6.png       | [1]   |
| **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.http://www.mathster.com/course/simgs/1468323784_7.png       | [1]   |

**Solutions for the assessment 3D Pythagoras**

|  |  |
| --- | --- |
| **1)** BD = 8.94 cm | **2)** AC = 7.81 cm |
| **3)** AC = 9.90 cm | **4)** BH = 12.9 cm |
| **5)** DE = 13.6 cm | **6)** OD = 2.12 cm |
| **7)** Height = 7.18 cm |  |