**3D Pythagoras**

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| Name : | Class : | Date : |

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| **1)** Find the length of BD in the shape pictured below, giving your answer to 3 significant figures.   http://www.mathster.com/course/simgs/35239770888_1.png | [1] |
| **2)** Find the length of BD in the shape pictured below, giving your answer to 3 significant figures.   http://www.mathster.com/course/simgs/35239770888_2.png | [1] |
| **3)** Find the length of BD in the shape pictured below, giving your answer to 3 significant figures.   http://www.mathster.com/course/simgs/35239770888_3.png | [1] |
| **4)** Find the length of CE in the shape pictured below, giving your answer to 3 significant figures.   http://www.mathster.com/course/simgs/35239770888_4.png | [1] |
| **5)** Find the length of AF in the shape pictured below, giving your answer to 3 significant figures.   http://www.mathster.com/course/simgs/35239770888_5.png | [1] |
| **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.   http://www.mathster.com/course/simgs/35239770888_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/35239770888_7.png | [1] |

**Solutions for the assessment 3D Pythagoras**

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| **1)** BD = 8.06 cm | **2)** BD = 9.49 cm |
| **3)** BD = 11.3 cm | **4)** CE = 14.0 cm |
| **5)** AF = 9.38 cm | **6)** OC = 2.12 cm |
| **7)** Height = 6.78 cm |  |