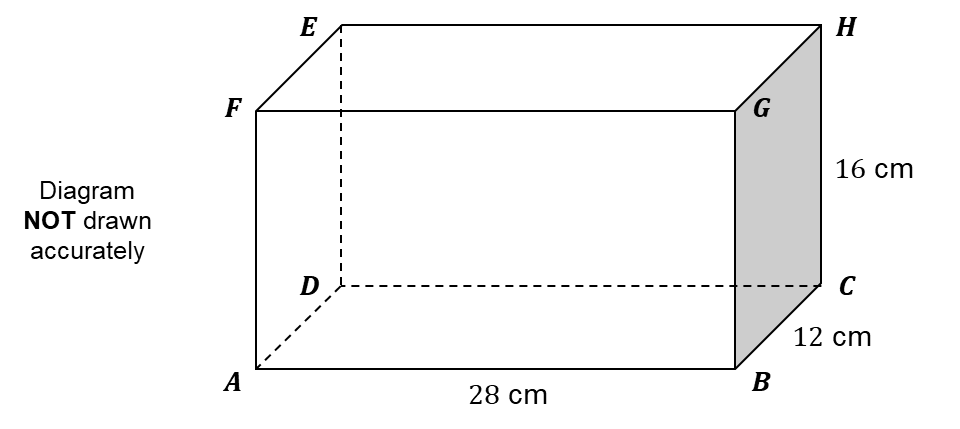
**A picture containing drawing

Description automatically generated3D Pythagoras’ Theorem GREEN**



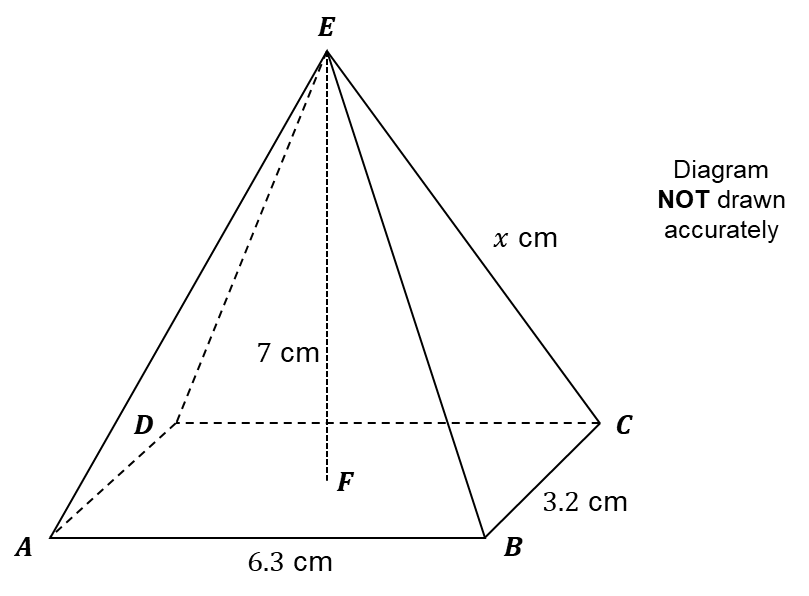
The diagram represents a cuboid .

cm. cm. cm.

Calculate the length of .

…………………cm

**(4 marks)**



The diagram represents a pyramid with height *.*

cm. cm. cm. cm.

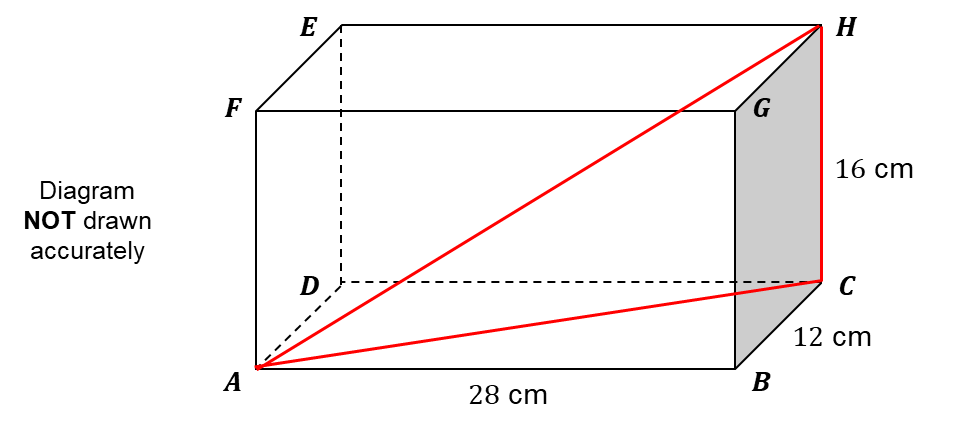
Calculate .

…………………cm

**(4 marks)**

**A picture containing drawing

Description automatically generated3D Pythagoras’ Theorem AMBER**



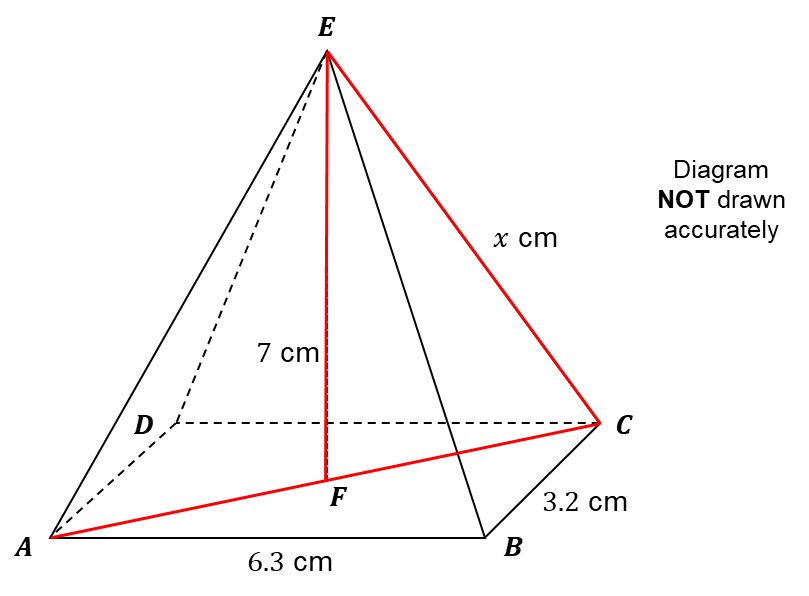
The diagram represents a cuboid .

cm. cm. cm.

Calculate the length of .

…………………cm

**(4 marks)**



The diagram represents a pyramid with height *.*

cm. cm. cm. cm.

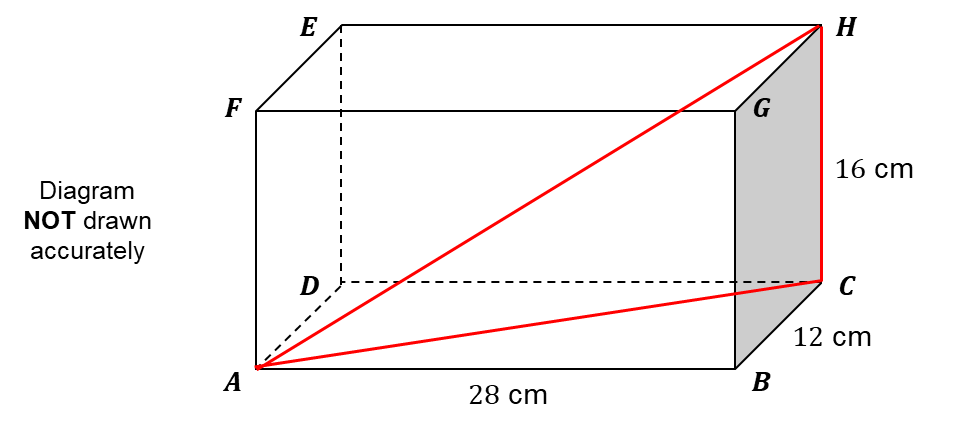
Calculate .

…………………cm

**(4 marks)**

**A picture containing drawing

Description automatically generated3D Pythagoras’ Theorem RED**



The diagram represents a cuboid .

cm. cm. cm.

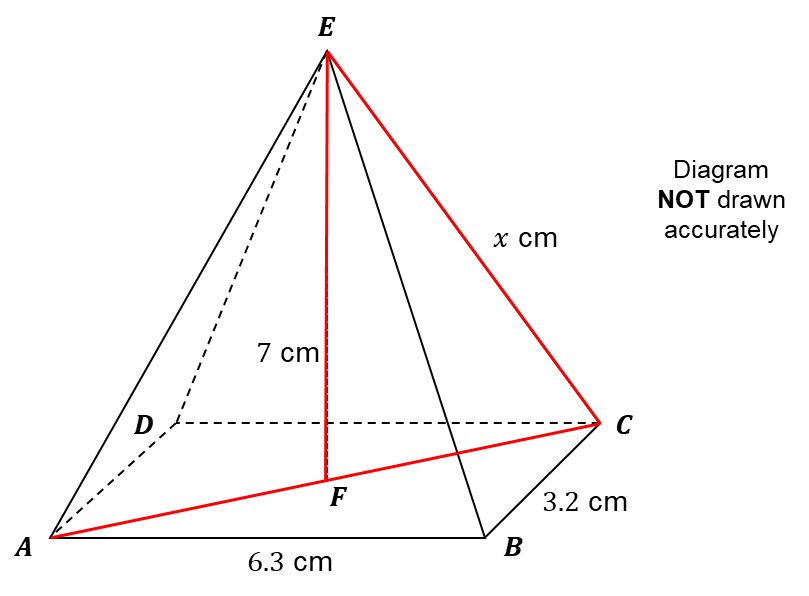
Calculate the length of .

Start by using Pythagoras’ Theorem with triangle ABC to calculate length AC.

Then use Pythagoras’ Theorem with triangle ACH to calculate length AH.

…………………cm

**(4 marks)**



The diagram represents a pyramid with height *.*

cm. cm. cm. cm.

Calculate .

Start by using Pythagoras’ Theorem with triangle ABC to calculate length AC.

Divide AC by 2 to calculate length FC.

Then use Pythagoras’ Theorem with triangle CEF to calculate x.

…………………cm

**(4 marks)**