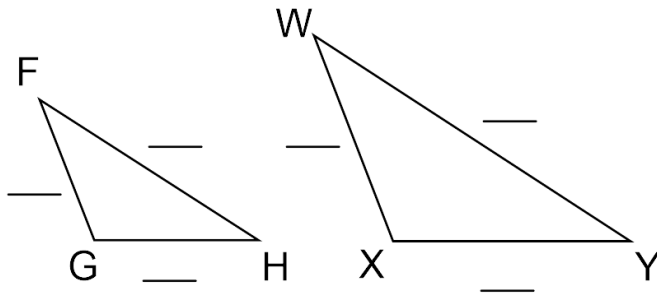


# MFM2P – Course Review

## Unit 1: Similar Triangles

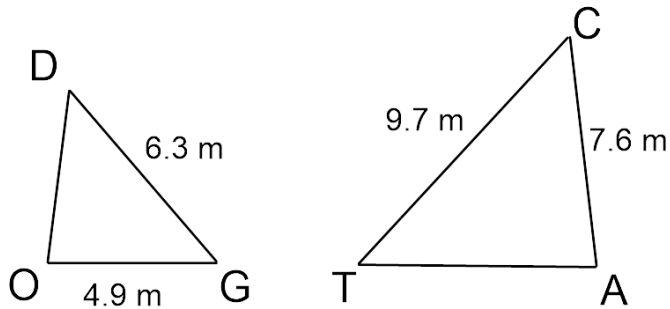
1. Two triangles are similar if their angles are \_\_\_\_\_ and their corresponding sides are \_\_\_\_\_.

2. Triangle FGH is similar to triangle WXY



$$\frac{f}{w} = \frac{g}{x} = \frac{h}{y}$$

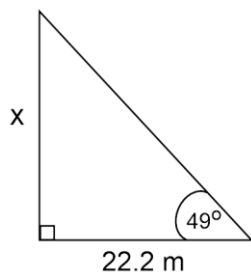
3. Triangle DOG is similar to triangle CAT. Find the lengths of the missing sides.



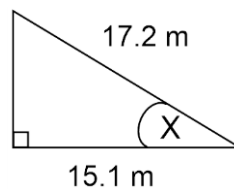
## Unit 2: Trigonometry

1. The sum of the angles in a triangle is \_\_\_\_\_.
2. The Pythagorean Theorem is \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ where \_\_\_\_\_ is the length of the hypotenuse of a \_\_\_\_\_ triangle.
3.  $\sin(\text{angle}) =$  \_\_\_\_\_,  $\cos(\text{angle}) =$  \_\_\_\_\_,  $\tan(\text{angle}) =$  \_\_\_\_\_
4. A clever way to remember the information from #3 is \_\_\_\_\_
5. When we have an angle, we use the \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ buttons.
6. When we are looking for an angle, we use the \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ buttons.
7. Solve for the indicated side or angle.

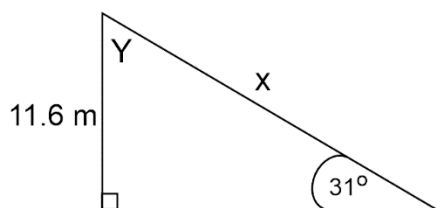
a.



b.



c.



d.

