Learning Objective:	To:Understand SOHCAHTOA Basics	Name:	
		Date:	

Do NOW Activity:

1 **Work out** $\frac{5}{6} \times \frac{3}{10}$

2 **Work out** 0.22^2

3 **Evaluate** 3^4

4 **Expand** $2x(4x + 3)$

5 **Express** the speed 18 km per hour as m per second

PRIOR KNOWLEDGE CHECK:

When no angles are involved, using Pythagoras theorem: -

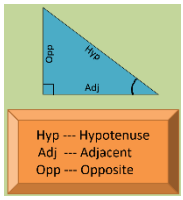
1. I can calculate missing hypotenuse
2. I can calculate missing short side
3. I can solve worded problems

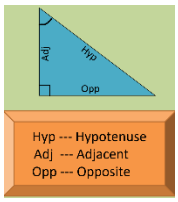
THE MAIN EVENT

WORKED EXAMPLE #1:

question

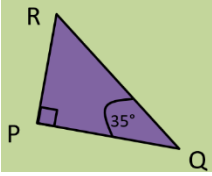
Find and label missing sides to the right-angle triangle below?





1. Find Right angle
2. Side opposite the right angle is hypotenuse
3. Identify missing angle
4. Side opposite missing angle is Opposite side
5. Side below missing angle is adjacent

solution

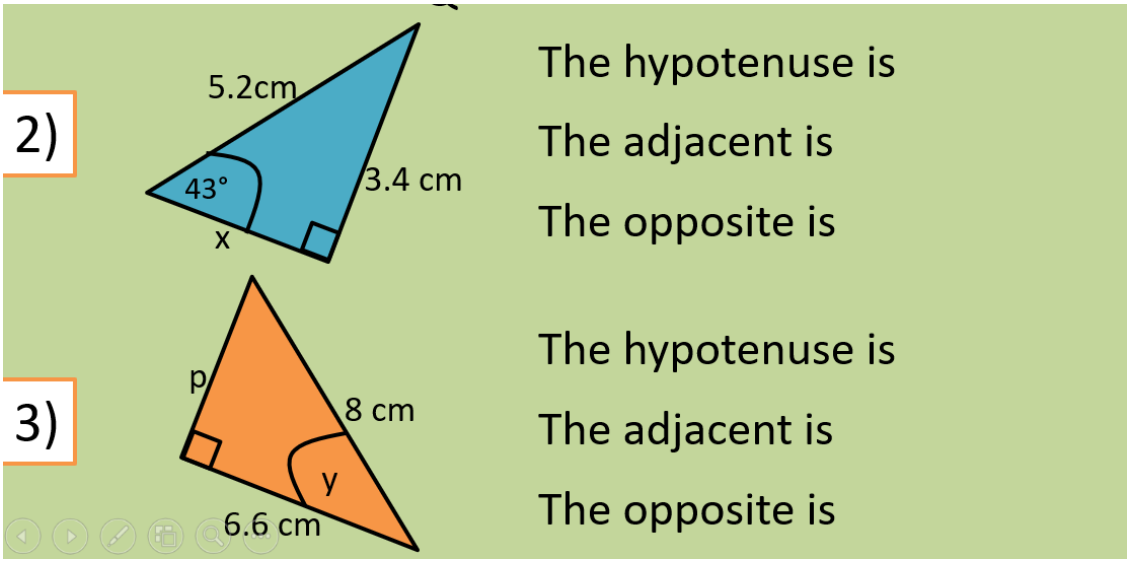


The hypotenuse is QR

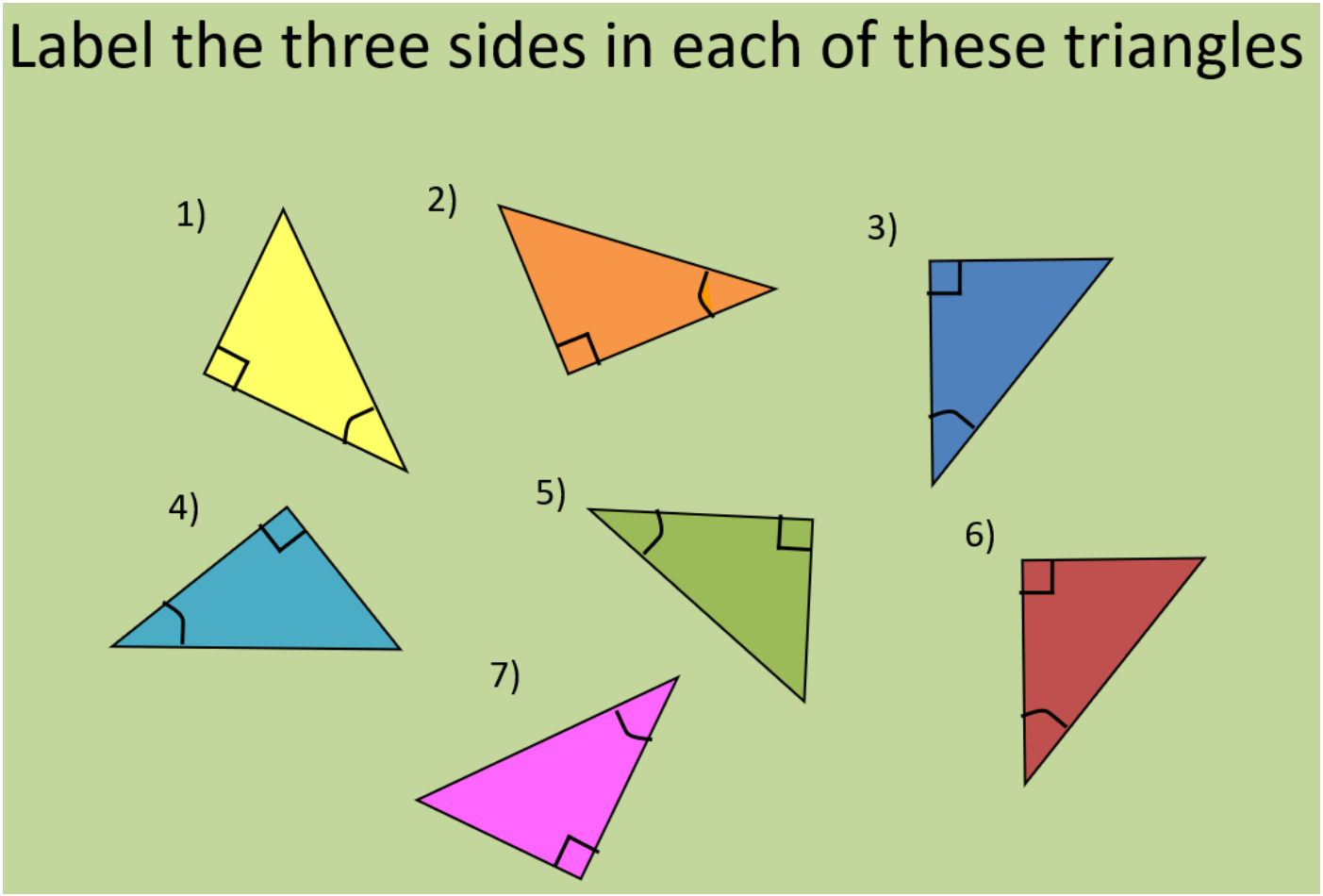
The adjacent is PQ

The opposite is PR

PRACTICE #1:



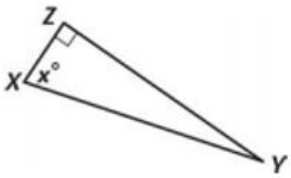
PRACTICE #2:



PRACTICE #3:

Label the following triangles Opposite, Adjacent and Hypotenuse. You can use the shorthand O, A and H.

1.



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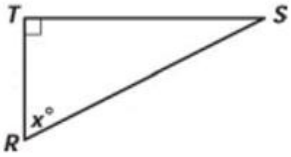
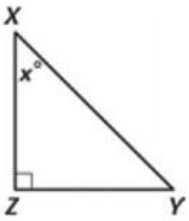


3.

4.



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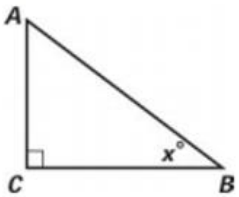

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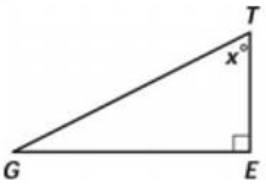

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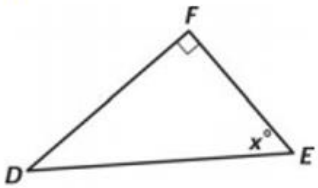

8.