

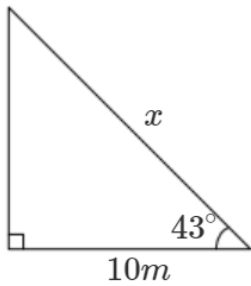
Year 9H Homework – Half Term 4

Homework 1 – Due: _____

Make sure you log on to HegartyMaths for help if you need it.
The clip number is shown with the topic.

Trig – Finding Sides (509)

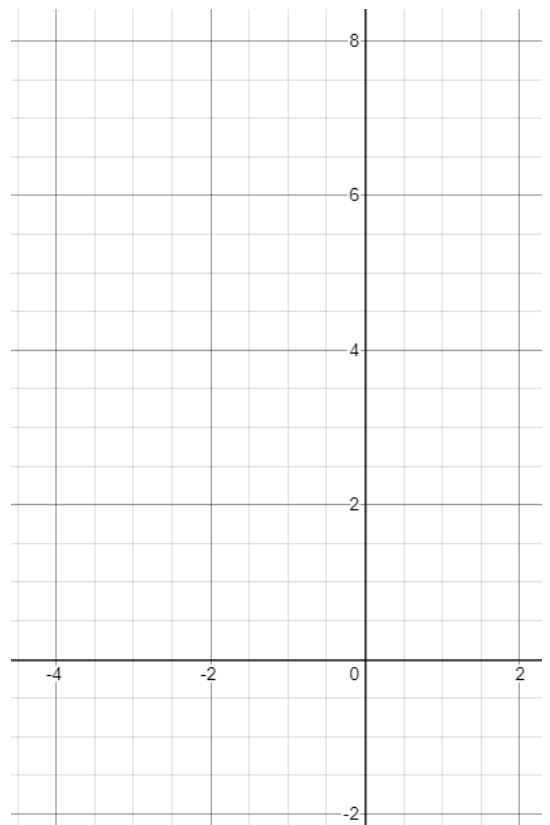
Find x (2dp):



Plotting Quadratic Graphs (251)

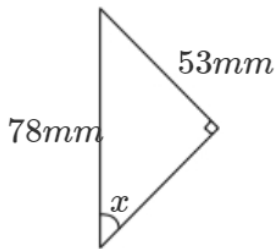
Complete the table of values and plot the graph of $y = x^2 + x$

x	-3	-2	-1	0	1	2
y						



Trig – Finding Angles (511)

Find x (2dp):



Homework 2 – Due: _____

Log onto HegartyMaths to watch the video and complete the quiz online. **Topic:** _____

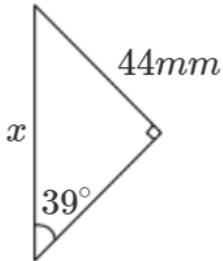
My score was: _____

Homework 3 – Due: _____

Make sure you log on to HegartyMaths for help if you need it.
The clip number is shown with the topic.

Trig – Finding Sides (509)

Find x (2dp):



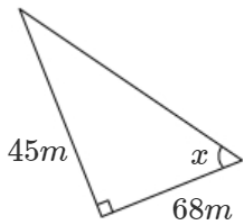
Quadratic Sequences (247)

Is this a quadratic sequence? Explain.

1, 5, 9, 16, 25, ...

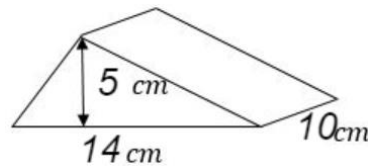
Trig – Finding Angles (511)

Find x (2dp):



Volume (570)

Find the volume.



Homework 4 – Due: _____

Log onto HegartyMaths to watch the video and complete the quiz online. **Topic:** _____

My score was: _____

Homework 5 – Due: _____

Make sure you log on to HegartyMaths for help if you need it.
The clip number is shown with the topic.

Constant of Proportionality (344)

y is directly proportional to x .
When $x = 3$, $y = 24$.

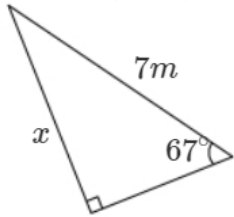
- Write an equations for y and x
- Find the value of x when $y = 8$

Speed (716)

A car travels 382.5 miles in 8 hours and 30 minutes. How fast did it travel?

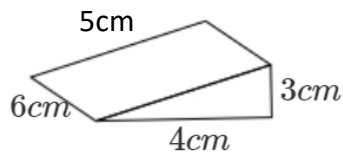
Trig – Finding Sides (509)

Find x (2dp):



Surface Area (585)

Find the surface area.



Homework 6 – Due: _____

Log onto HegartyMaths to watch the video and complete the quiz online. **Topic:** _____

My score was: _____

Extension

Have you finished? Are you finding it too easy?

Go to <https://parallel.org.uk/> and look at the puzzles for your year group on the left. Show your answers on this page.