

## A Cartesian plane: Plotting cubic equations

Skill 5.10

Generate a set of points for these cubics and plot them on a set of axes:

1  $y = \frac{1}{2}x^3 - 4$

x	-2	-1	0	1	2
y					

2  $y = 1 + x - x^3$

x	-2	-1	0	1	2
y					

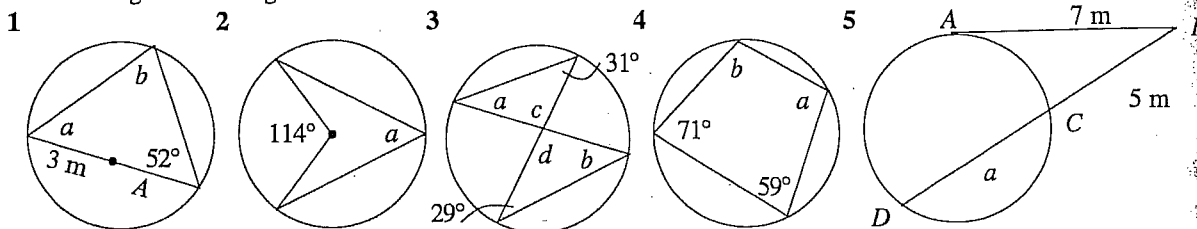
3  $y = 2x^3 - 5x$

x	-2	-1	0	1	2
y					

## B Geometry: Properties of circles

Skill 6.3

Find the missing sides or angles:



## C Geometry: Symmetrical properties of plane shapes

Skill 6.4

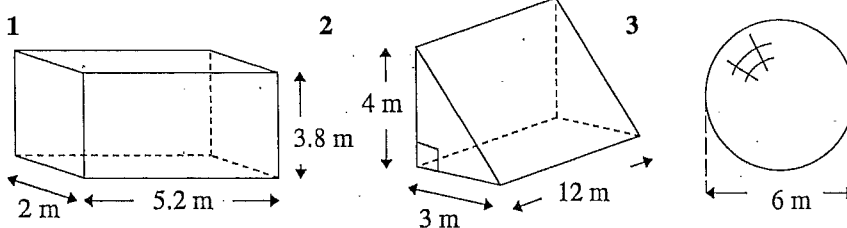
- List the first ten letters of the alphabet and show any axes of symmetry
- Identify the angle through which these shapes need to be rotated to show that they have rotational symmetry. Which of these have point symmetry?



## D Measurement: Surface area of solids

Skill 7.7

Find the total surface area of these solids:



## E Trigonometry: Using cos to find side lengths

Skill 8.2

Find the missing lengths:

