

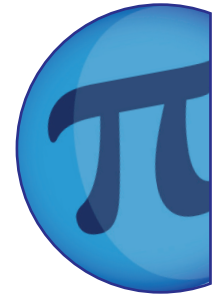


Properties of Shape: Arches

NAME:

CLASS:

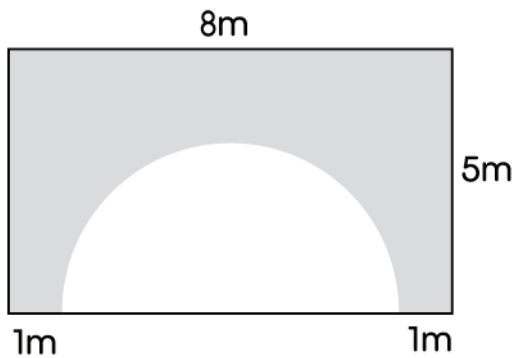
DATE:



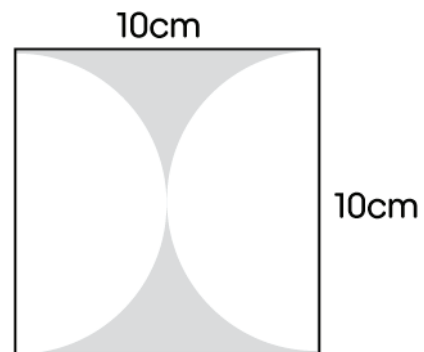
Basic

1) Calculate the shaded areas below:

a)



b)



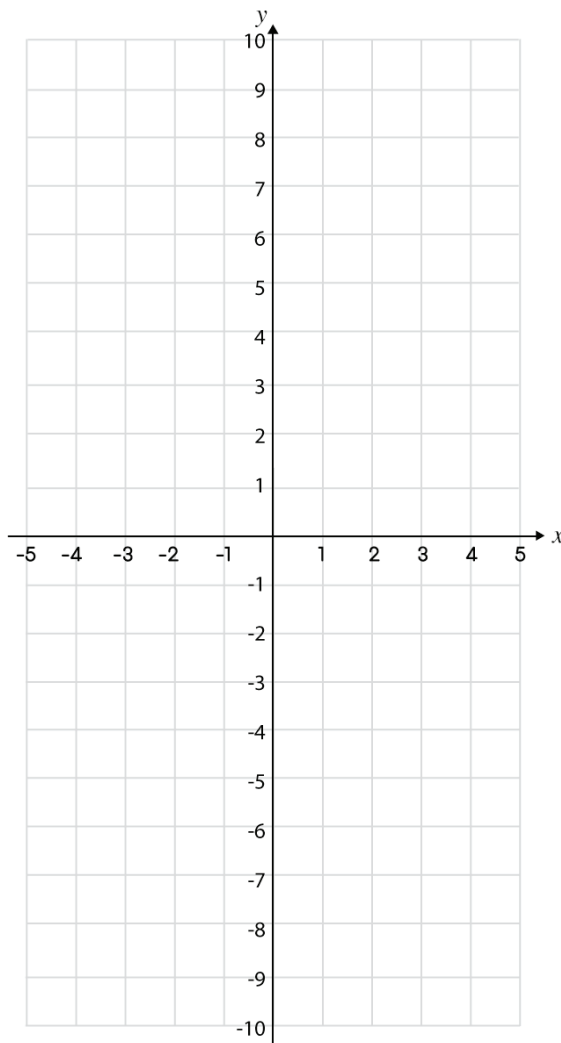


Properties of Shape: Arches

Basic

2) Using the table of values below, plot the graph of the function $y = x^2$.

x - coordinate	-3	-2	-1	0	1	2	3
y - coordinate							





Properties of Shape: Arches

NAME:

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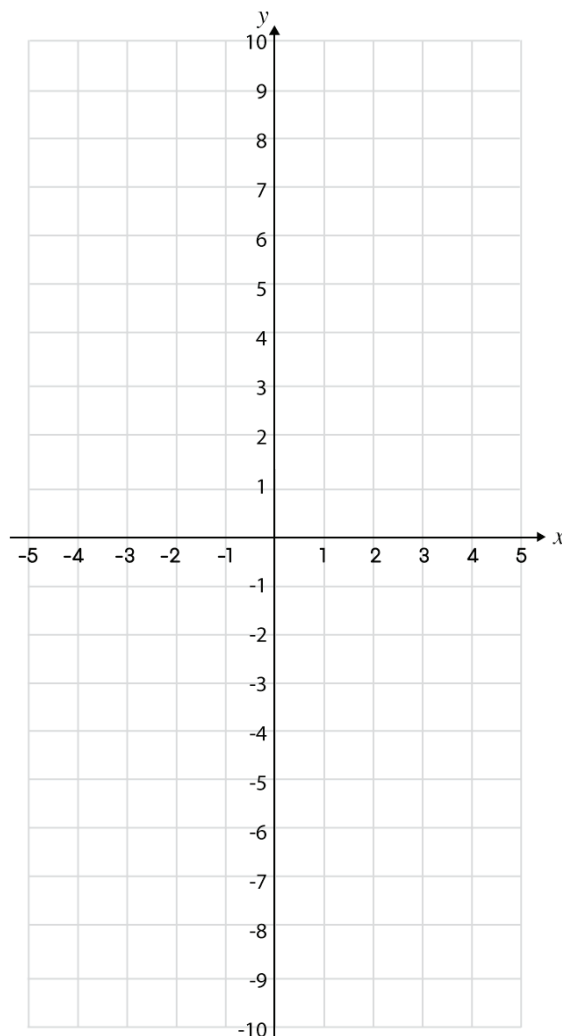
DATE:



Core

1) Using the table of values below, plot the graph of the function $y = x^2$.

x - coordinate	-3	-2	-1	0	1	2	3
y - coordinate							



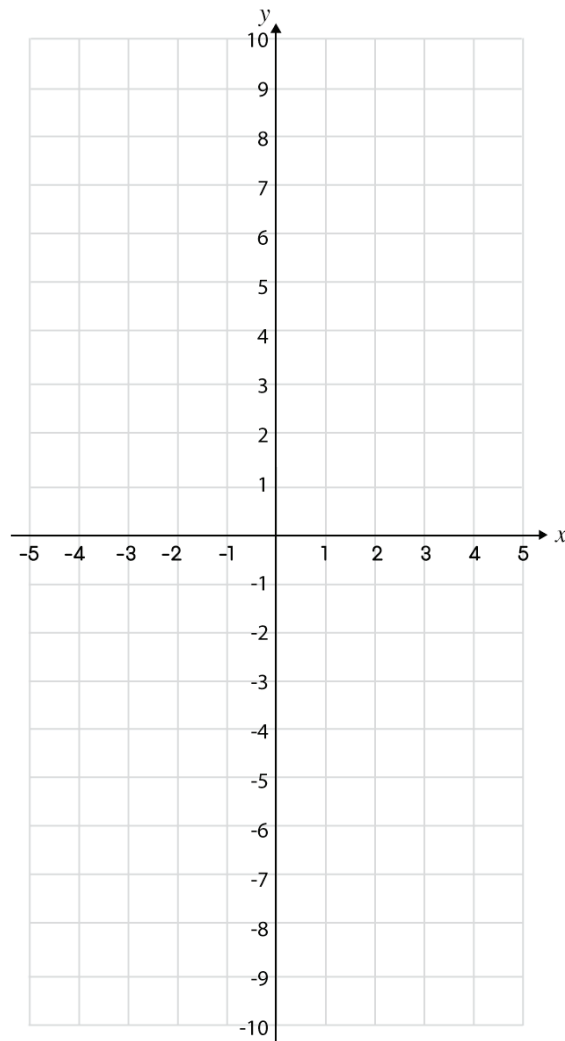


Properties of Shape: Arches

Core

2) Using the table of values below, plot the graph of the function $y = -(x^2)$.

x - coordinate	-3	-2	-1	0	1	2	3
y - coordinate							



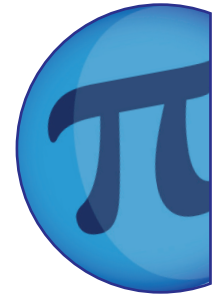


Properties of Shape: Arches

NAME:

CLASS:

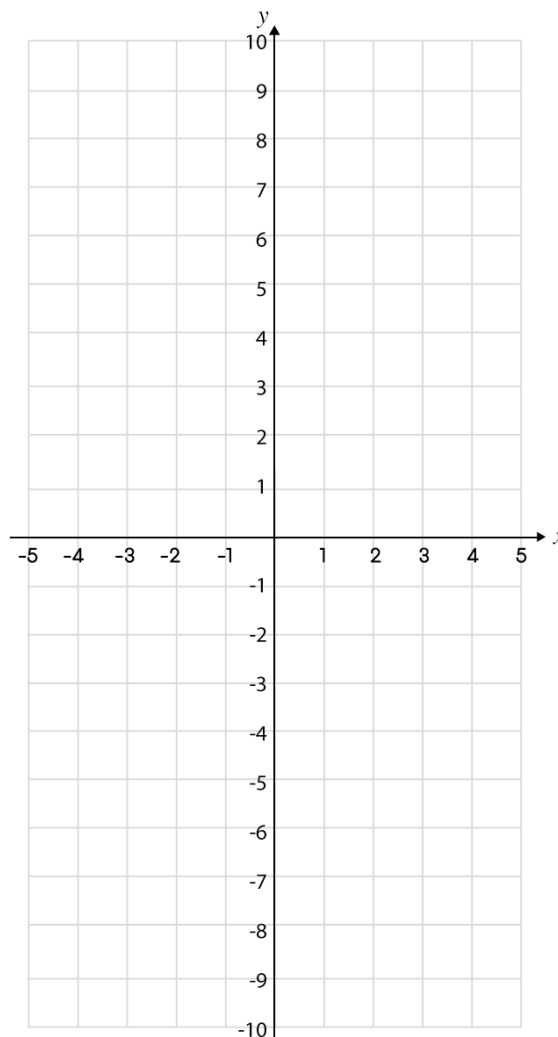
DATE:



Advanced

1) Using the table of values below, plot the graph of the function $y = -(x^2)$.

x - coordinate	-3	-2	-1	0	1	2	3
y - coordinate							



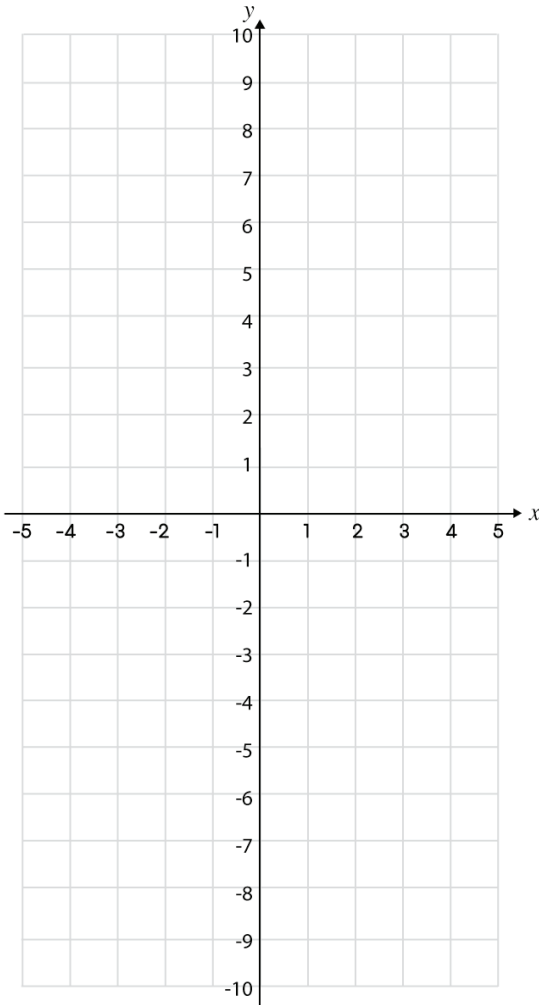


Properties of Shape: Arches

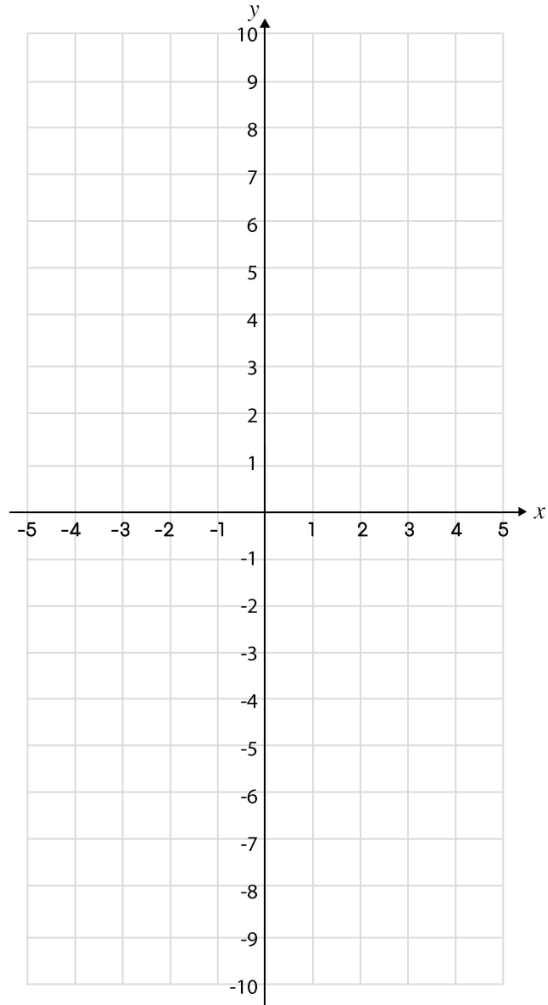
Advanced

2) Plot the graphs of the following parabolic functions:

a) $y = 5 - x^2$



b) $y = 10 - x^2$

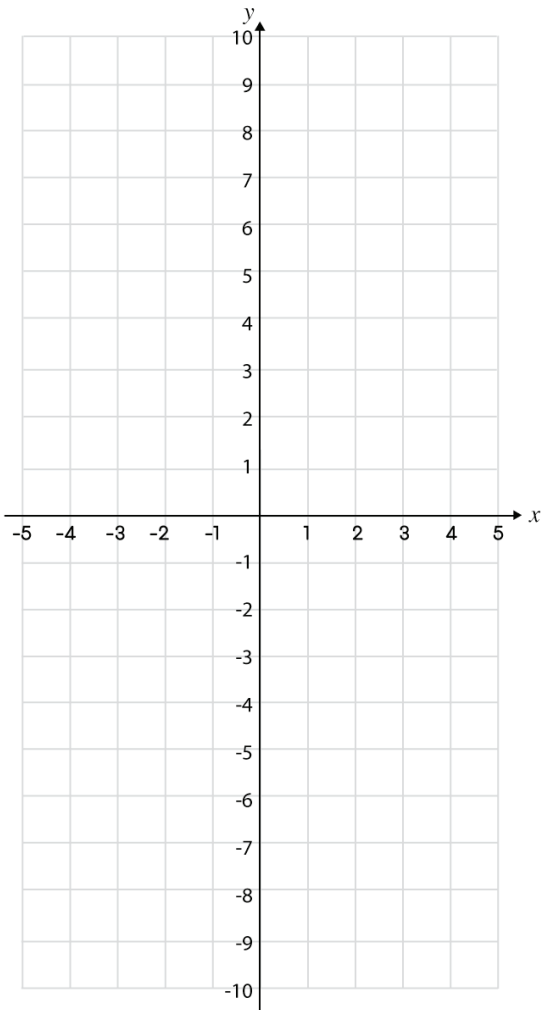




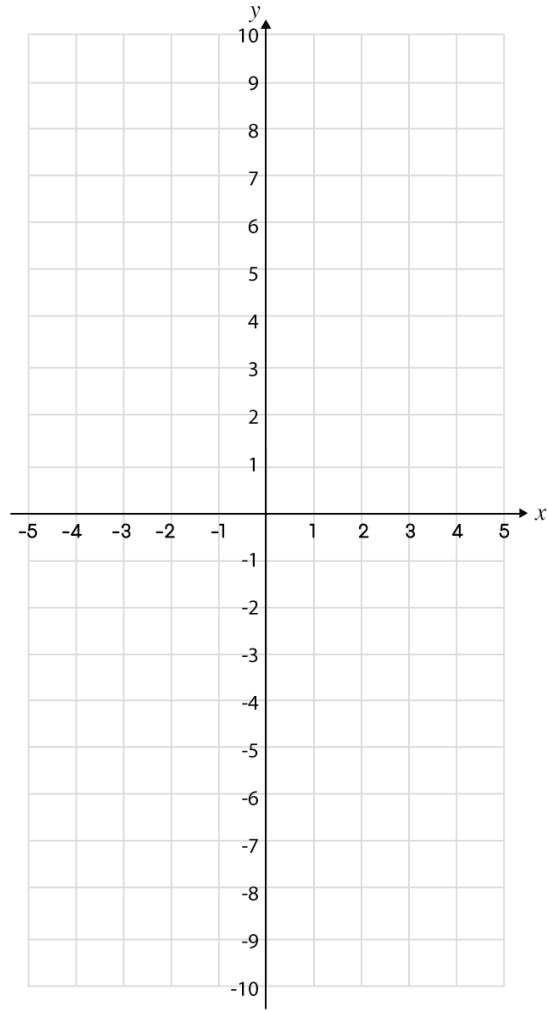
Properties of Shape: Arches

Advanced

c) $y = x - x^2$



d) $y = 3 + x - x^2$





Properties of Shape: Arches

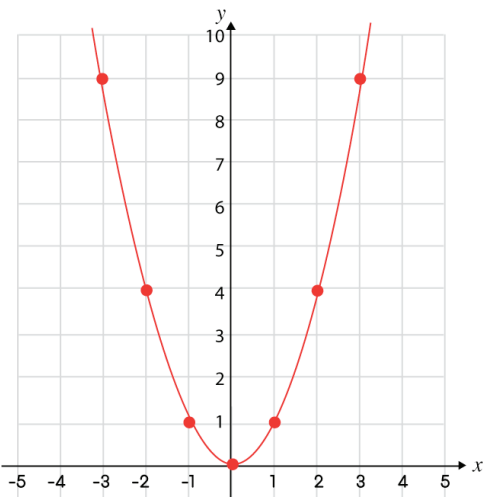
ANSWERS

Basic

1) a) 25.9m^2 b) 21.5cm^2

2)

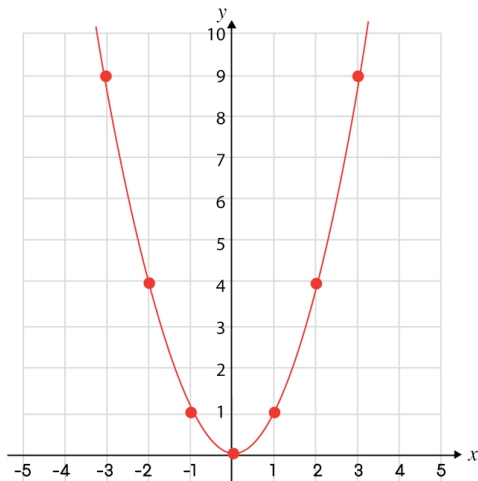
x - coordinate	-3	-2	-1	0	1	2	3
y - coordinate	9	4	1	0	1	4	9



Core

1)

x - coordinate	-3	-2	-1	0	1	2	3
y - coordinate	9	4	1	0	1	4	9





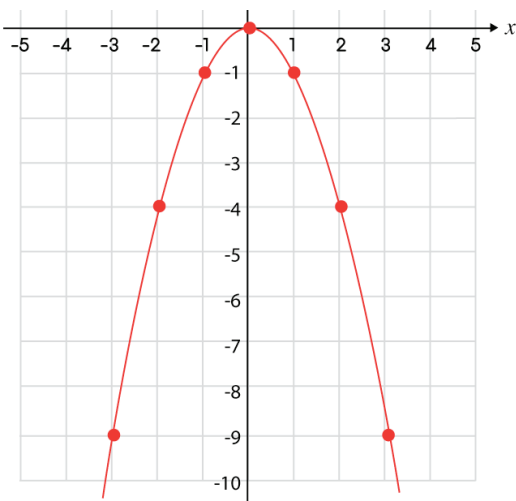
Properties of Shape: Arches

ANSWERS

Core

2)

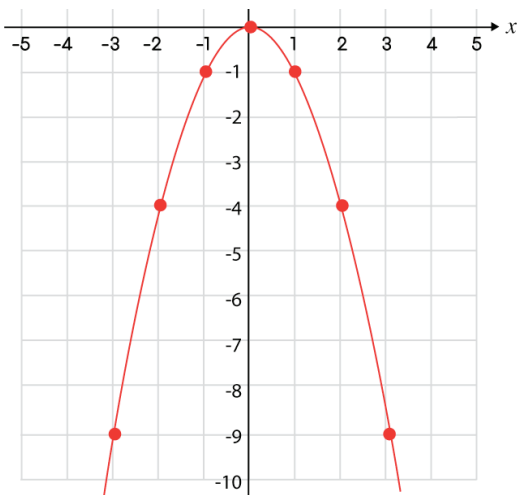
x - coordinate	-3	-2	-1	0	1	2	3
y - coordinate	-9	-4	-1	0	-1	-4	9



Advanced

1)

x - coordinate	-3	-2	-1	0	1	2	3
y - coordinate	-9	-4	-1	0	-1	-4	9



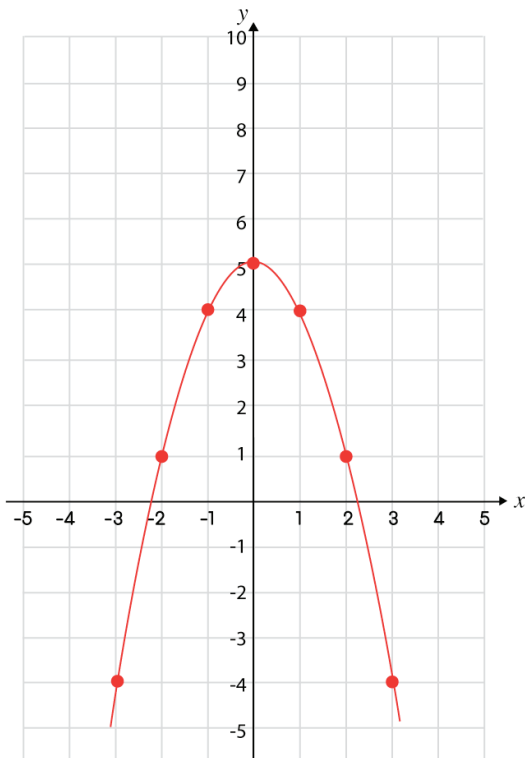


Properties of Shape: Arches

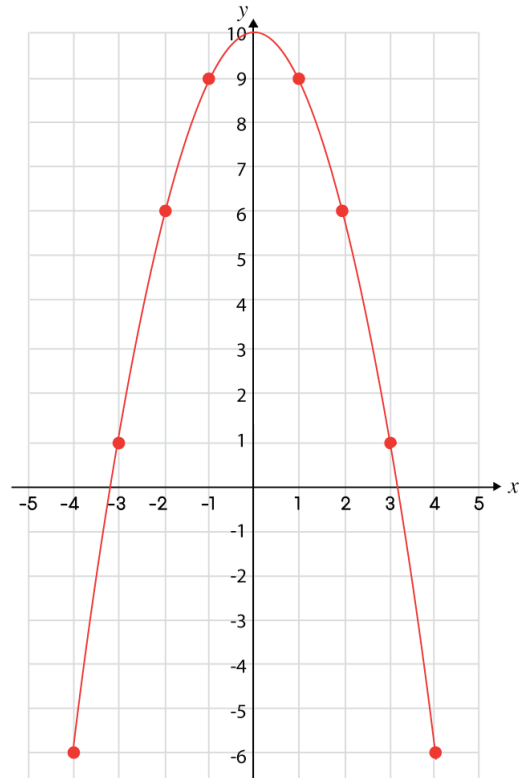
ANSWERS

Advanced

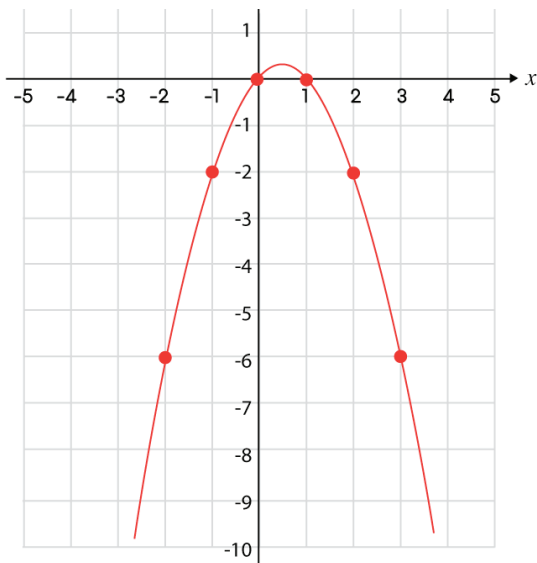
2)a)



b)



c)



d)

