GCSE (1 – 9)

Reflections

Instructions

• Use black ink or ball-point pen.
• Answer all Questions.
• Answer the Questions in the spaces provided – there may be more space than you need.
• Diagrams are NOT accurately drawn, unless otherwise indicated.
• You must show all your working out.

Information

• The marks for each Question are shown in brackets – use this as a guide as to how much time to spend on each Question.

Advice

• Read each Question carefully before you start to answer it.
• Keep an eye on the time.
• Try to answer every Question.
• Check your answers if you have time at the end
1. On the grid, reflect the shaded shape in the mirror line.

(Total for question 1 is 1 mark)

2. Describe fully the single transformation that maps shape A onto shape B.

   \text{reflection in the } y\text{-axis}

(Total for question 2 is 2 marks)
3

Reflect triangle A in the y-axis.

(Total for question 3 is 2 marks)

4

Reflect shape B in the line y = 3.

(Total for question 4 is 2 marks)
Reflect shape A in the line with equation $x = -1$.

(Total for question 5 is 2 marks)

Describe fully the single transformation that maps shape A onto shape B.

Reflection in the x-axis

(Total for question 6 is 2 marks)
Describe fully the single transformation that maps shape A onto shape B.

Reflection in the $x$-axis

(Total for question 7 is 2 marks)

Describe fully the single transformation that maps shape A onto shape B.

Reflection in the line $x = 1$

(Total for question 8 is 2 marks)
Reflect the shaded shape in the line $y = 4$

(Total for question 9 is 2 marks)

Reflect triangle $A$ in the line $y = x$

(Total for question 10 is 2 marks)