Multiple choice questions - Reflection and translation

Year: Year 5 · 10

Question 1 Translate (1, 1) 3 right and 2 up.

- ◯ **A.** (4, 3)
- ◯ **B.** (3, 4)
- ◯ **C.** (2, 4)
- ◯ **D.** (4, 2)

Question 2 Translate (6, 5) 2 left and 3 down.

- ◯ **A.** (8, 8)
- ◯ **B.** (4, 2)
- ◯ **C.** (4, 8)
- ◯ **D.** (8, 2)

Question 3 Reflect (2, 4) in the line x = 5.

- ◯ **A.** (7, 4)
- ◯ **B.** (5, 4)
- ◯ **C.** (8, 4)
- ◯ **D.** (2, 6)

Question 4 Reflect (3, 1) in the line y = 3.

- ◯ **A.** (5, 3)
- ◯ **B.** (3, 3)
- ◯ **C.** (3, 2)
- ◯ **D.** (3, 5)

Question 5 What stays the same in a translation?

- ◯ **A.** The size and shape
- ◯ **B.** The position
- ◯ **C.** The coordinates
- ◯ **D.** Nothing

Question 6 Where is the image of a point that lies on the mirror line?

- ◯ **A.** On the other side
- ◯ **B.** On the same spot
- ◯ **C.** At the origin

◯ **D.** Below

Question 7 A point moves from (1, 2) to (5, 6). Which translation is it?

◯ **A.** 5 right, 6 up
◯ **B.** 4 up, 4 left
◯ **C.** 4 right, 4 up
◯ **D.** 6 right, 5 up

Question 8 Which letter is symmetrical in a vertical mirror?

◯ **A.** F
◯ **B.** G
◯ **C.** R
◯ **D.** H

Question 9 In the point (7, 3), how far up is it?

◯ **A.** 3
◯ **B.** 7
◯ **C.** 10
◯ **D.** 4

Question 10 Image of (4, 2) in the line x = 4 is?

◯ **A.** (8, 2)
◯ **B.** (4, 2)
◯ **C.** (0, 2)
◯ **D.** (4, 4)

Answer grid - Reflection and translation

Year: Year 5

Question	Answer	Explanation
1	**A**	Add 3 to x and 2 to y.
2	**B**	Subtract.
3	**C**	3 left of mirror, so 3 right.
4	**D**	2 below, so 2 above.
5	**A**	Only position changes.
6	**B**	It does not move.
7	**C**	5 - 1 = 4, 6 - 2 = 4.
8	**D**	H looks the same.
9	**A**	The y-coordinate.
10	**B**	It is on the mirror.