



5.6 Puzzle Time

What Kind Of Coat Can You Put On Only When It's Wet?

Write the letter of each answer in the box containing the exercise number.

Find the coordinates of the point after reflecting in the x -axis.

1. $(2, 5)$

2. $(-3, 7)$

- R.
- $(-2, -5)$
- S.
- $(-2, 5)$
- T.
- $(2, -5)$

- A.
- $(-3, -7)$
- B.
- $(3, 7)$
- C.
- $(3, -7)$

3. $(-4, -12)$

4. $(13, -8)$

- D.
- $(4, -12)$
- E.
- $(4, 12)$
- F.
- $(-4, 12)$

- M.
- $(-13, 8)$
- N.
- $(13, 8)$
- O.
- $(-13, -8)$

Find the coordinates of the point after reflecting in the y -axis.

5. $(7, -6)$

6. $(9, 5)$

- O.
- $(-7, -6)$
- P.
- $(-7, 6)$
- Q.
- $(7, 6)$

- H.
- $(9, -5)$
- I.
- $(-9, 5)$
- J.
- $(-9, -5)$

7. $(-15, -12)$

8. $(-23, 8)$

- A.
- $(15, -12)$
- B.
- $(15, 12)$
- C.
- $(-15, 12)$

- M.
- $(23, -8)$
- N.
- $(-23, -8)$
- O.
- $(23, 8)$

The coordinates of a point and its image are given. Is the reflection in the x -axis, y -axis, or neither?

9. $(11, 7) \rightarrow (11, -7)$

10. $(-4, -5) \rightarrow (4, -5)$

- A.
- x
- axis B.
- y
- axis C. neither D.
- x
- axis E.
- y
- axis F. neither

11. $(-8, 8) \rightarrow (8, -8)$

12. $(53, -26) \rightarrow (-53, -26)$

- G.
- x
- axis H.
- y
- axis I. neither J.
- x
- axis K.
- y
- axis L. neither

2		10	5	7	1		8	3		12	9	6	4	11
---	--	----	---	---	---	--	---	---	--	----	---	---	---	----