Task card 1 Congruence & Similarity with Trans...

A triangle is transformed by a rotation of 180° about the origin, followed by a reflection over the x-axis. Is the image congruent to the original triangle, or similar but not congruent? Write congruent or similar.

Task card 2 Congruence & Similarity with Trans...

A triangle is transformed by a reflection over the y-axis, followed by a translation 3 units up. Is the image congruent to the original triangle, or similar but not congruent? Write congruent or similar.

Task card 3 Congruence & Similarity with Trans...

A triangle is transformed by a rotation of 90° about the origin, followed by a translation 4 units left. Is the image congruent to the original triangle, or similar but not congruent? Write congruent or similar.

Task card 4 Congruence & Similarity with Trans...

A triangle is transformed by a translation 3 units up, followed by a dilation with scale factor 3. Is the image congruent to the original triangle, or similar but not congruent? Write congruent or similar.

Task card 5 Congruence & Similarity with Trans...

A triangle is transformed by a reflection over the x-axis, followed by a rotation of 90° about the origin. Is the image congruent to the original triangle, or similar but not congruent? Write congruent or similar.

Task card 6 Congruence & Similarity with Trans...

A triangle is transformed by a reflection over the x-axis, followed by a reflection over the y-axis. Is the image congruent to the original triangle, or similar but not congruent? Write congruent or similar.

Task card 7 Congruence & Similarity with Trans...

A triangle is transformed by a rotation of 90° about the origin, followed by a dilation with scale factor 3. Is the image congruent to the original triangle, or similar but not congruent? Write congruent or similar.

Task card 8 Congruence & Similarity with Trans...

A triangle is transformed by a dilation with scale factor 2, followed by a translation 3 units up. Is the image congruent to the original triangle, or similar but not congruent? Write congruent or similar.

Task card 9 Congruence & Similarity with Trans...

A triangle is transformed by a dilation with scale factor 3, followed by a translation 3 units up. Is the image congruent to the original triangle, or similar but not congruent? Write congruent or similar.

Task card 10 Congruence & Similarity with Trans...

A triangle is transformed by a rotation of 90° about the origin, followed by a reflection over the x-axis. Is the image congruent to the original triangle, or similar but not congruent? Write congruent or similar.

Congruence & Similarity with Transformations Task Cards

Recording sheet · Grade 8 · Answer each question. Use the words given in the question, or write a point as (x, y).

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10		

Congruence & Similarity with Transformations Task Cards: Answer Key

Grade 8 · Hard

The answers online

1. congruent	**2.** congruent	**3.** congruent
4. similar	**5.** congruent	**6.** congruent
7. similar	**8.** similar	**9.** similar
10. congruent		