Congruence & Similarity with Transformations · 1

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.

Congruence & Similarity with Transformations · 2

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.

Congruence & Similarity with Transformations · 3

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.

Congruence & Similarity with Transformations · 4

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.

Congruence & Similarity with Transformations · 5

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.

Congruence & Similarity with Transformations · 6

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.

Congruence & Similarity with Transformations · 7

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.

Congruence & Similarity with Transformations · 8

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.

Congruence & Similarity with Transformations · 2

ANSWER

congruent

Congruence & Similarity with Transformations · 1

ANSWER

congruent

Congruence & Similarity with Transformations · 4

ANSWER

similar

Congruence & Similarity with Transformations · 3

ANSWER

congruent

Congruence & Similarity with Transformations · 6

ANSWER

congruent

Congruence & Similarity with Transformations · 5

ANSWER

congruent

Congruence & Similarity with Transformations · 8

ANSWER

similar

Congruence & Similarity with Transformations · 7

ANSWER

similar

Congruence & Similarity with Transformations · 9

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.

Congruence & Similarity with Transformations · 10

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 · 10

ANSWER

congruent

Congruence & Similarity with Transformations · 9

ANSWER

similar