Name	Date
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Transformational Geometry Quiz

Question 1

Enclose a Pentagon at the following coordinates

(2, 31)

(8, 31)

(2, 35)

(8, 35)

(5, 38)

Translation

From the point (8,31) translate 10 down and 4 right Label this Pentagon A

Reflection

Create a Mirror Line between the points (0, 18) and (30, 18) Reflect Pentagon A across mirror line Label this Pentagon B

Rotation

Rotate 180 degrees from top right corner of Pentagon B Label this Pentagon C

Question 2

Enclose a Right Angle Triangle at the following coordinates

(21, 3)

(25,3)

(21,12)

Translation

From the point (21,3) translate 9 up and 7 left Label this Triangle A

Reflection

Create a Mirror Line between the points (12, 0) and (12, 38) Reflect Triangle D across mirror line Label this Triangle B

Rotation

Rotate 270 degrees from the bottom left corner of Triangle B Label this Triangle C