Name_____   Date_____

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