

Name _____

Date _____

Transformational Geometry Quiz

Question 1

Enclose a Pentagon at the following coordinates, then reflect it across the mirror line provided

(2, 12)

(8, 31)

(2, 35)

(8, 35)

(5, 38)

18

17

16

15

14

13

12

11

10

9

8

7

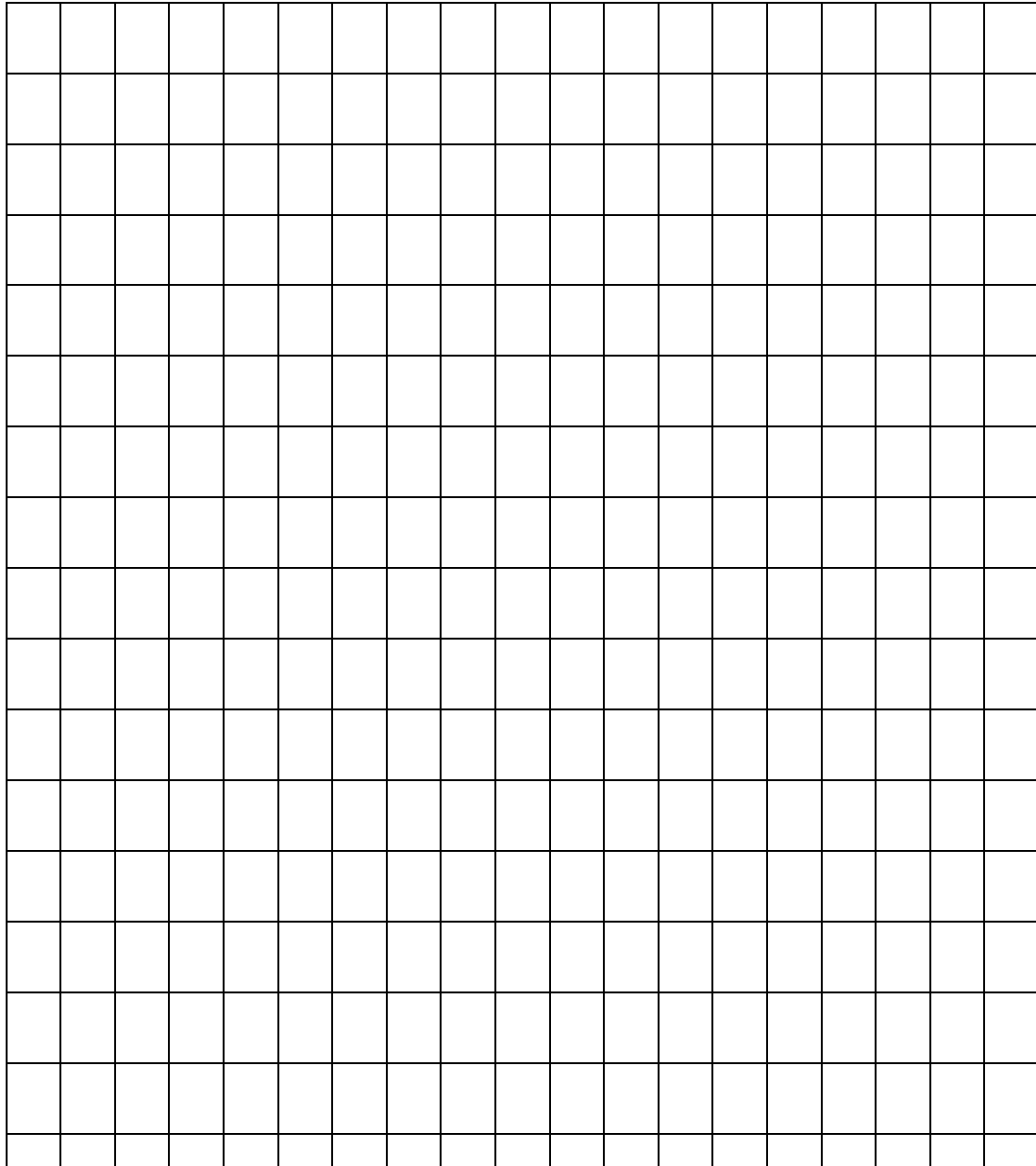
6

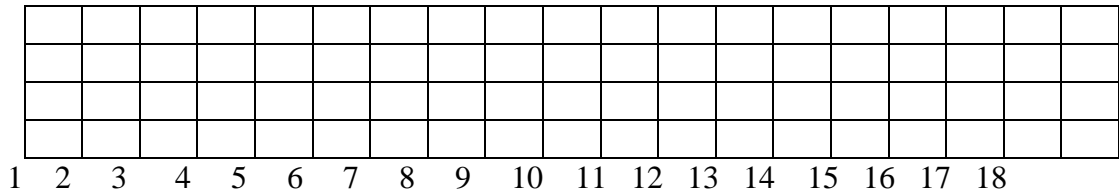
5

4

3

2





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