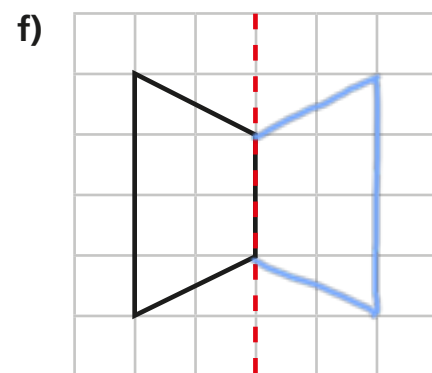
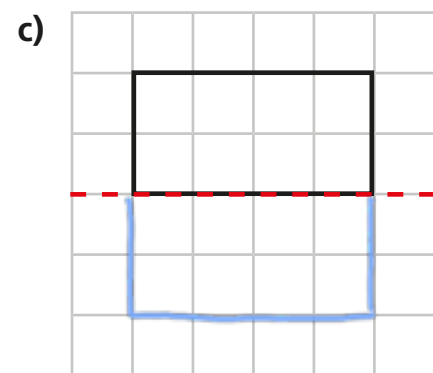
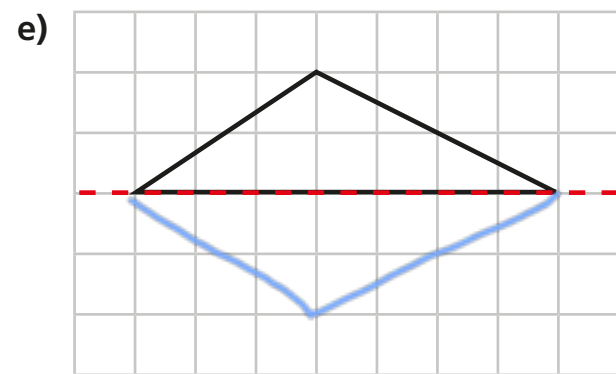
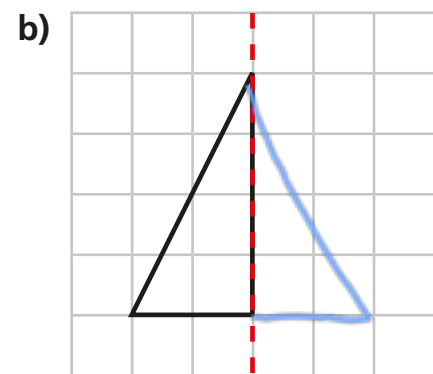
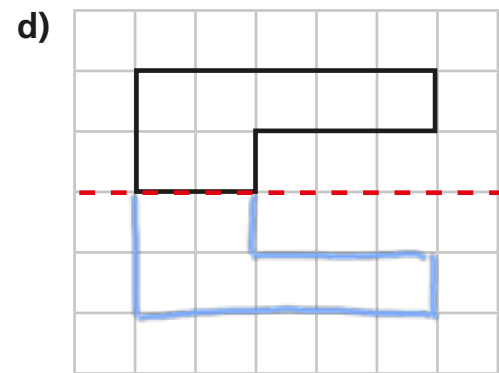
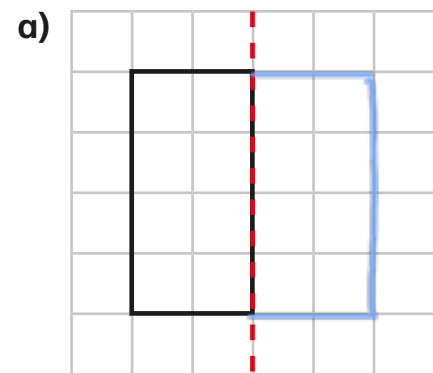
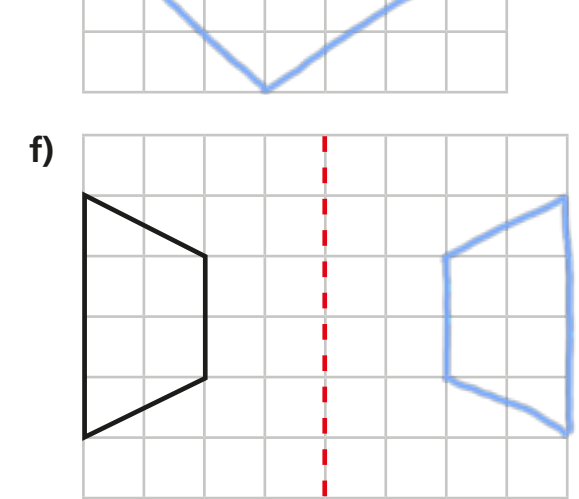
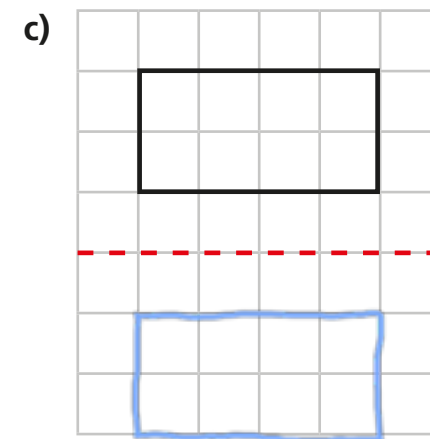
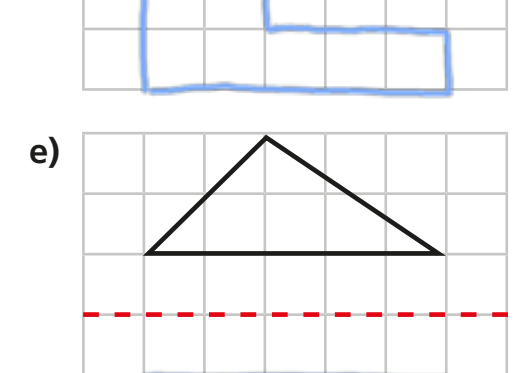
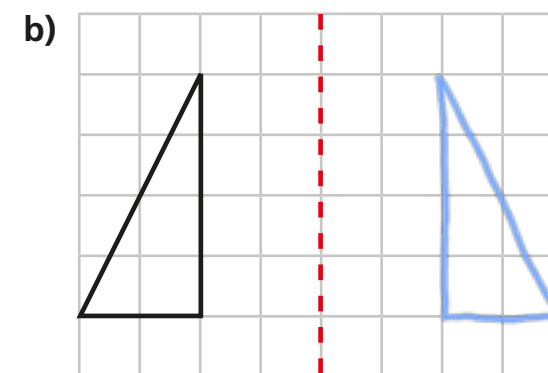
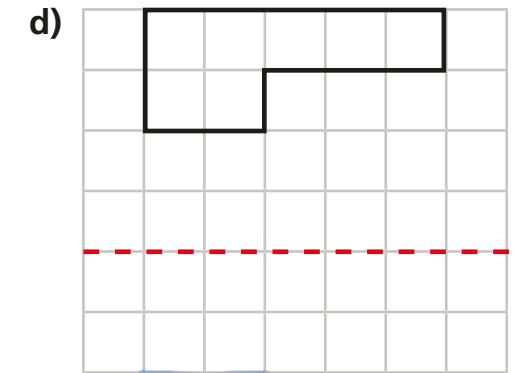
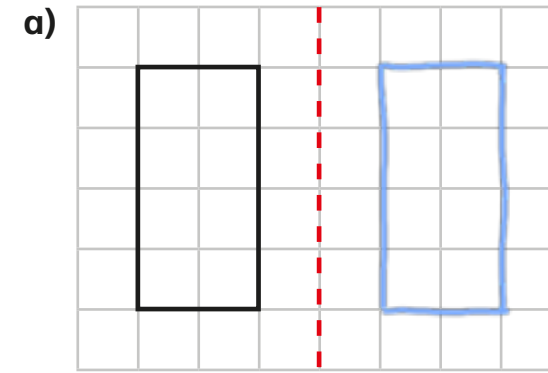




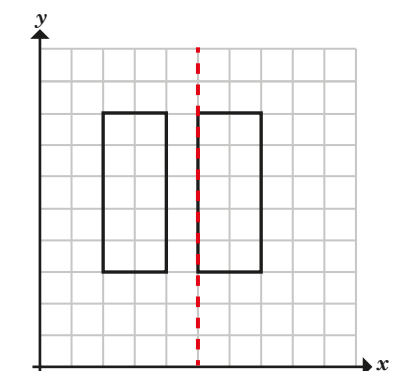
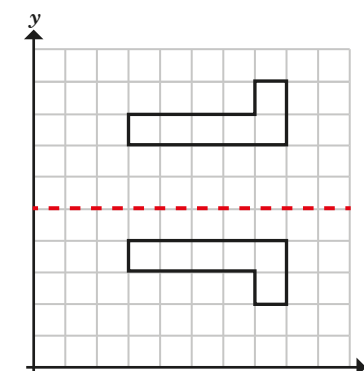
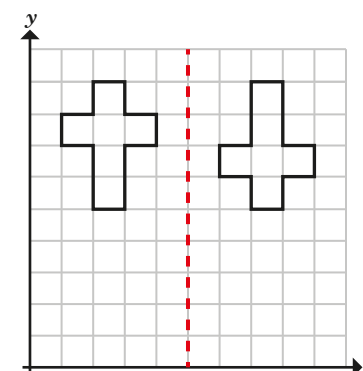
1 Reflect each shape in the mirror line.

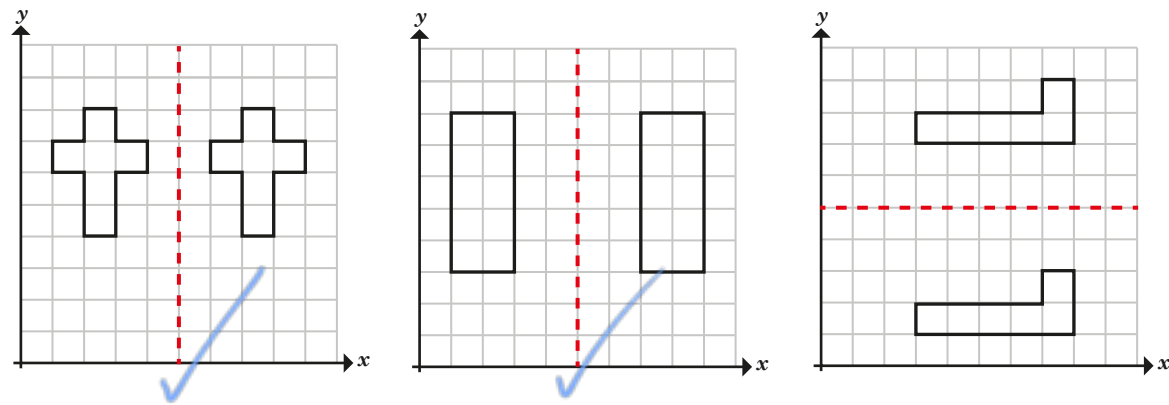


2 Reflect each shape in the mirror line.



3 Which diagrams show a correct reflection in the given mirror line? Tick your answers.

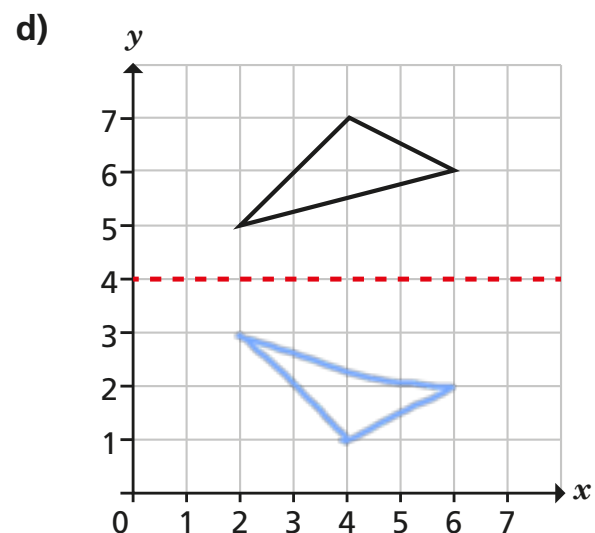
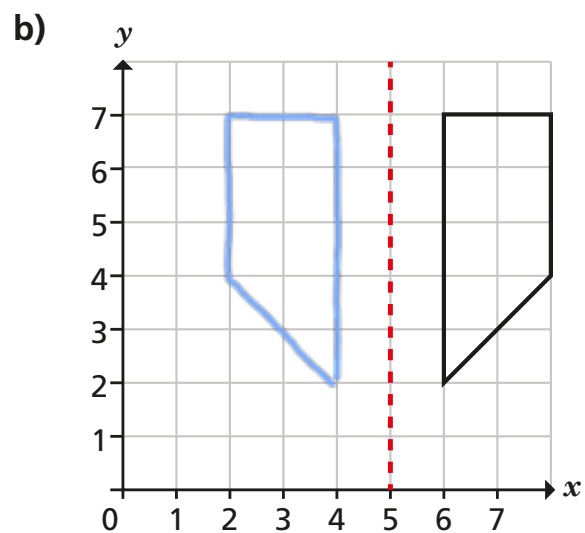
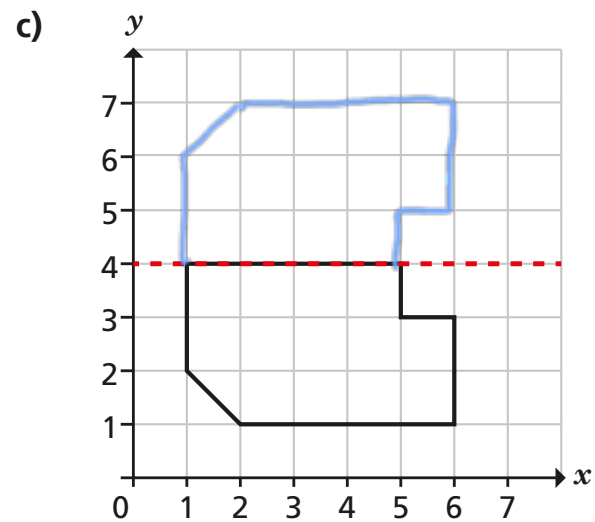
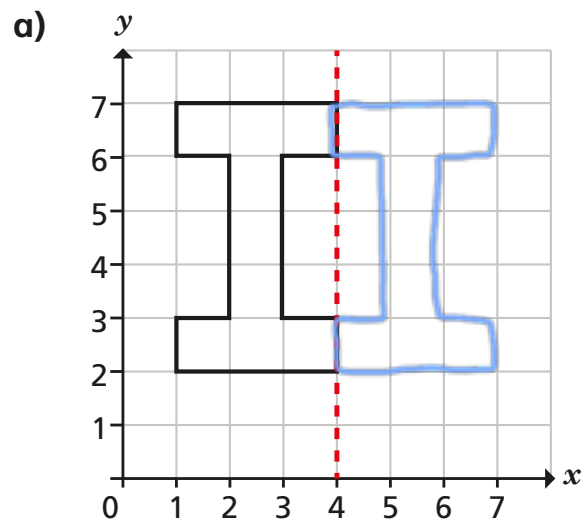




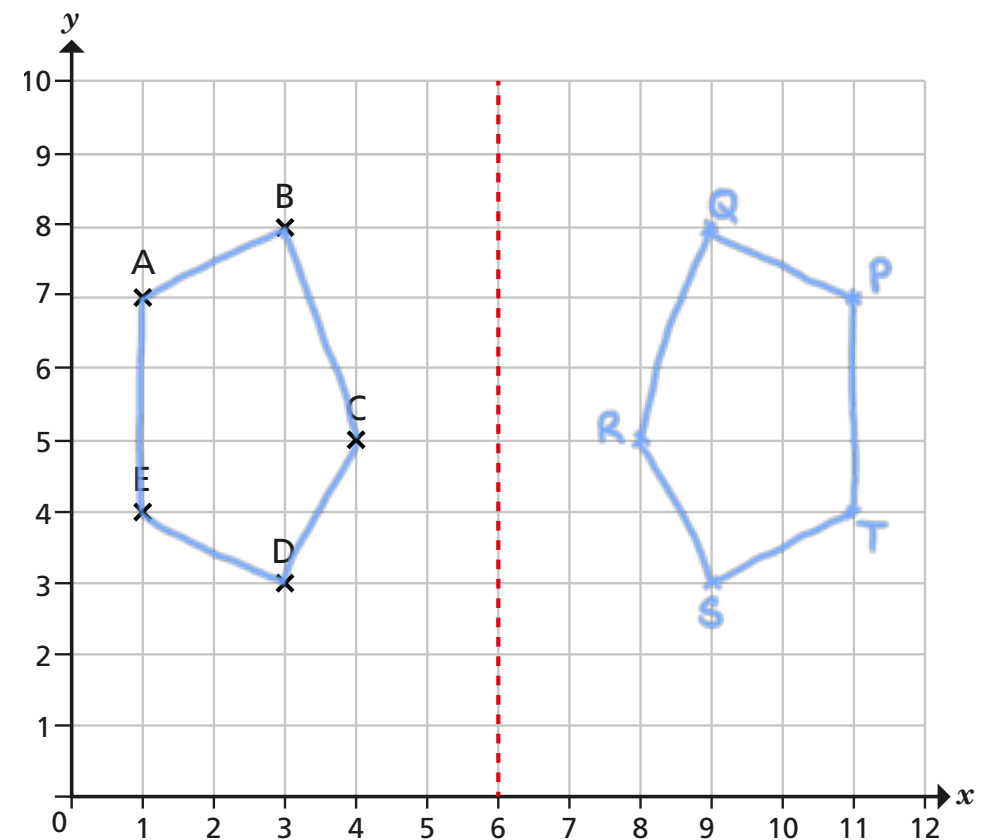
Talk to a partner about the mistakes that have been made.



4 Reflect the objects in the given mirror lines.



5 Five points are plotted on a coordinate grid.



a) Join the points to form a polygon. This is the object.

What type of polygon is the object?

pentagon

b) Reflect the object in the given mirror line.

What type of polygon is the image?

pentagon

c) Label the reflected vertices P, Q, R, S and T.

Write the new coordinates.

P (11 , 7) Q (9 , 8) R (8 , 5)

S (9 , 3) T (11 , 4)

d) The image and the object are identical polygons.

Is this statement true or false?

True

Talk about it with a partner.

