Reflecting in a Given Diagonal Line

Maths
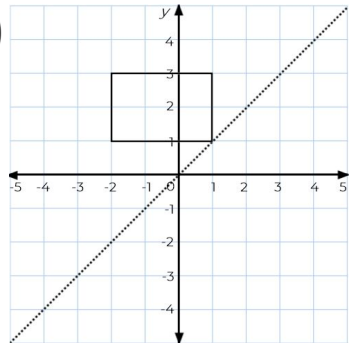
Miss Davies
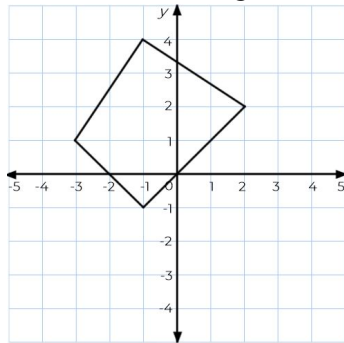
Reflecting in a Given Diagonal Line

1. Reflect each shape in the line y = x.
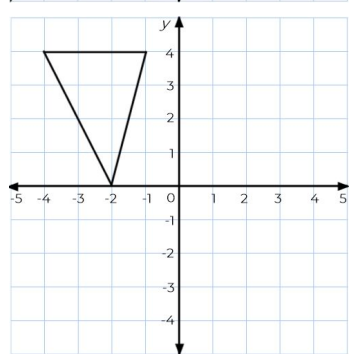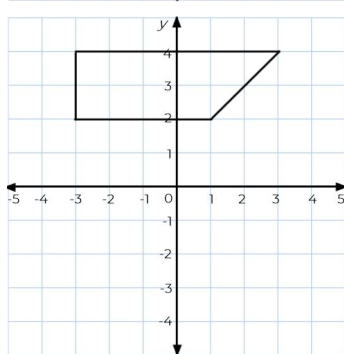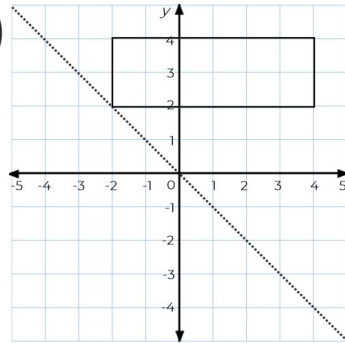
a)

b)

c)
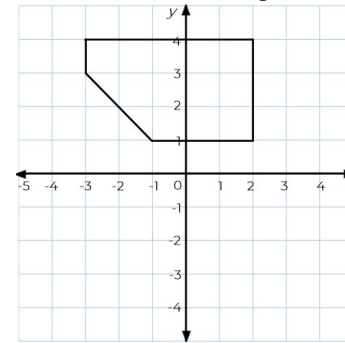
d)

2. Reflect each shape in the line y = –x.
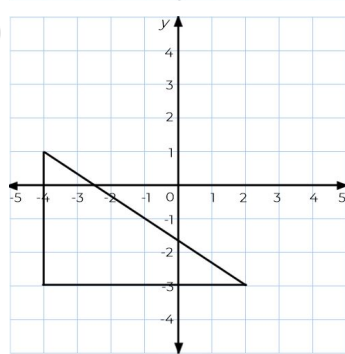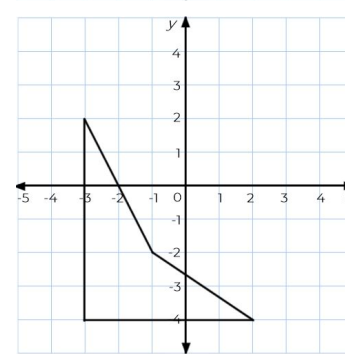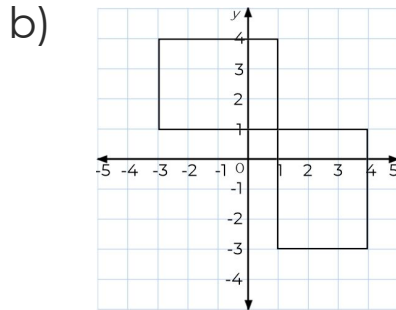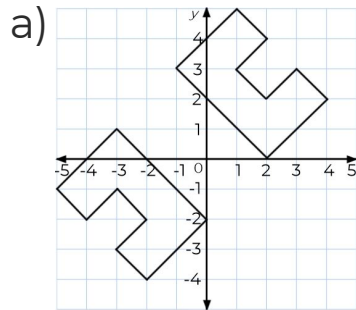
a)

b)

c)

d)

Reflecting in a Given Diagonal Line

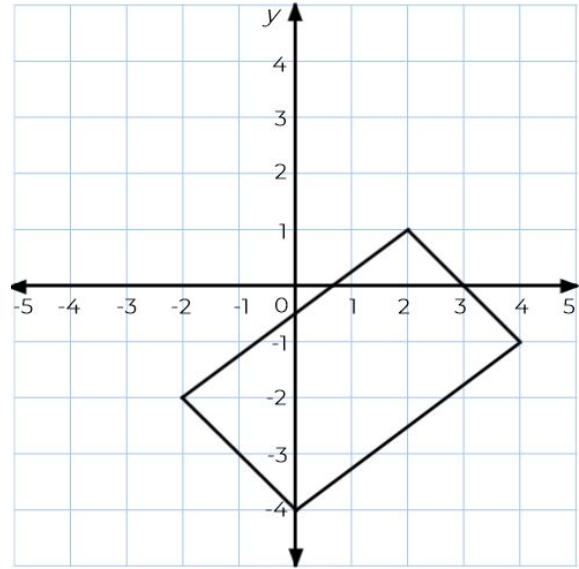3. A polygon is in the second quadrant of a coordinate grid.
It is reflected in the line y = x.
Which quadrant is the reflection in?

4. Identify the mirror line in each of the reflections.

a)

b)

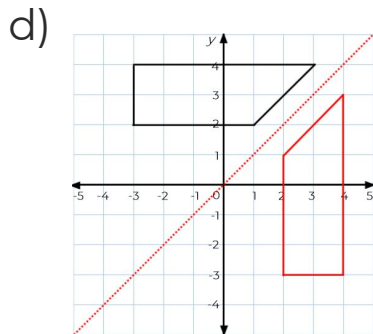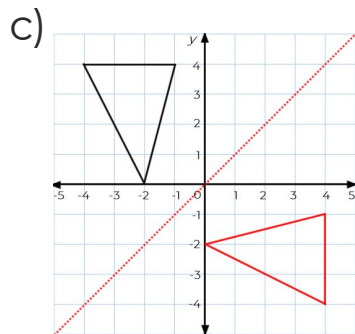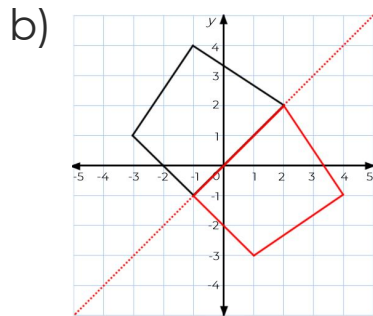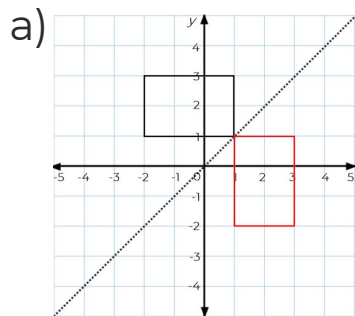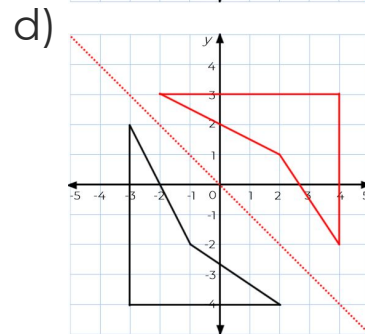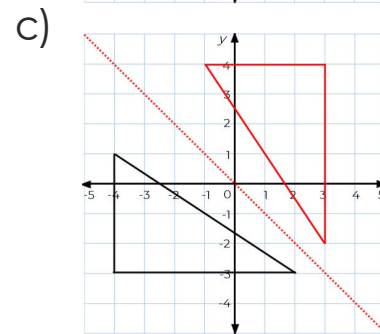5. Reflect the parallelogram in the line y = x + 1

Answers

Reflecting in a Given Diagonal Line

1. Reflect each shape in the line y=x.

a)

b)

c)

d)
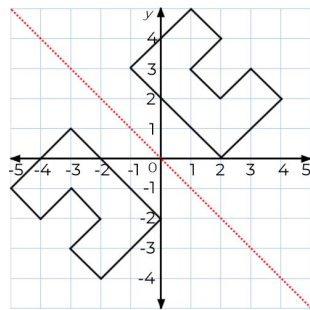
2. Reflect each shape in the line y=-x.
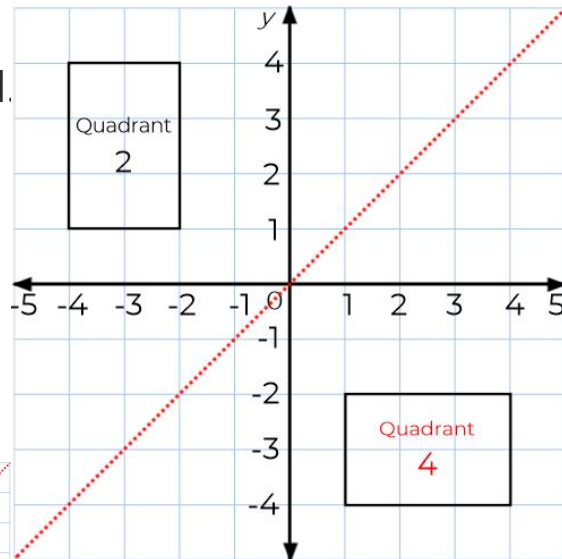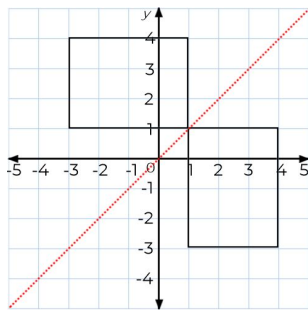
a)

b)

c)

d)
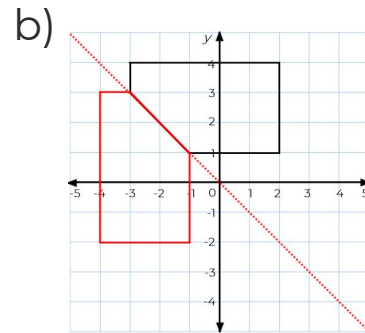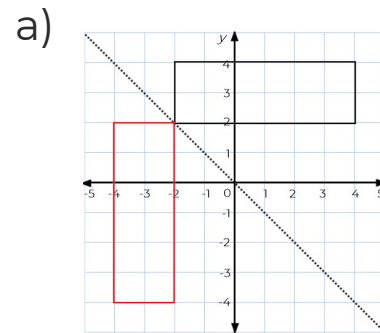
Reflecting in a Given Diagonal Line

3. A polygon is in the second quadrant of a coordinate grid. It is reflected in the line y = x. Which quadrant is the reflection in? 4

4. Identify the mirror line in each of the reflections.

a) y = -x

b) y = x

5. Reflect the parallelogram in the line y = x + 1