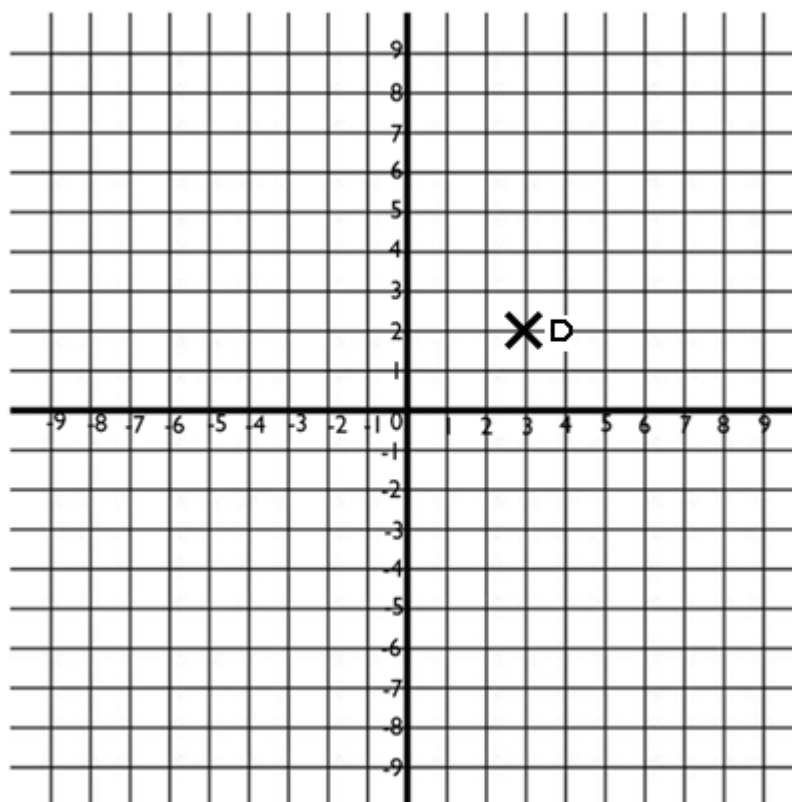


In the diagram below, D is at point (3,2).



Answer the following questions. It may help to draw the mirror lines (but do so lightly as there are eight questions!).



What will be the coordinates of the image after a reflection in the line ...

- a) $y = -1$
- b) $x = -2$
- c) $y = 1$
- d) $y = x$
- e) $y = -x$
- f) $x = 3$
- g) $x = -5$
- h) $y = 6$

Answers

a) $y = -1$ $(3,-4)$

b) $x = -2$ $(-7,2)$

c) $y = 1$ $(3,0)$

d) $y = x$ $(2,3)$

e) $y = -x$ $(-2,-3)$

f) $x = 3$ $(3,2)$

g) $x = -5$ $(-13,2)$

h) $y = 6$ $(3,10)$