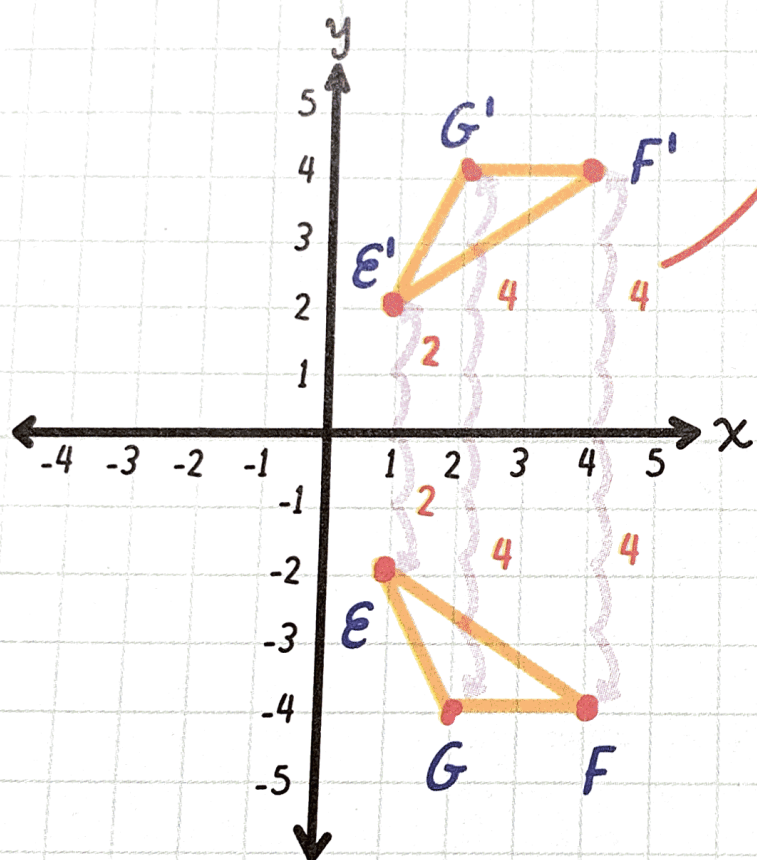


To do a reflection, move each point according to the given criteria.

**EXAMPLE:** Given  $\triangle EFG$ , reflect the shape over the x-axis.

It's easier to work point by point than to move the whole figure at once.

4 UNITS AWAY FROM THE REFLECTION LINE



First, count how many units each point is away from the line of symmetry (in this case, the x-axis) and draw the reflected point the same distance away on the other side.

Lastly, plot and label the image as  $E'F'G'$ .

**ORIGINAL IMAGE**

$E(1, -2)$	$E'(1, 2)$
$F(4, -4)$	$F'(4, 4)$
$G(2, -4)$	$G'(2, 4)$

**SHORTCUT:** When a figure is reflected across the x-axis, the sign of the y-value will simply change to the opposite.