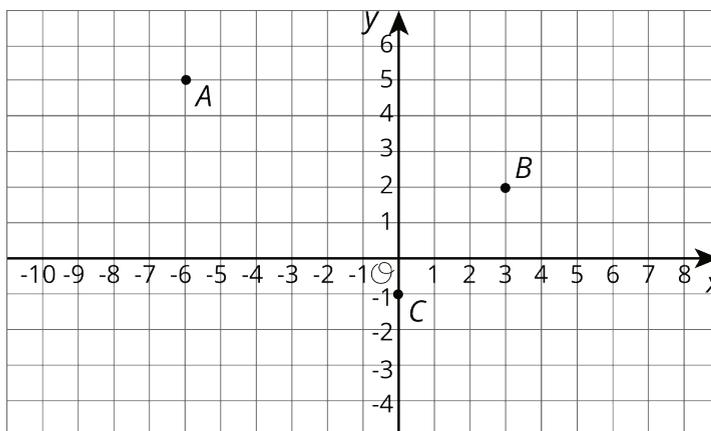


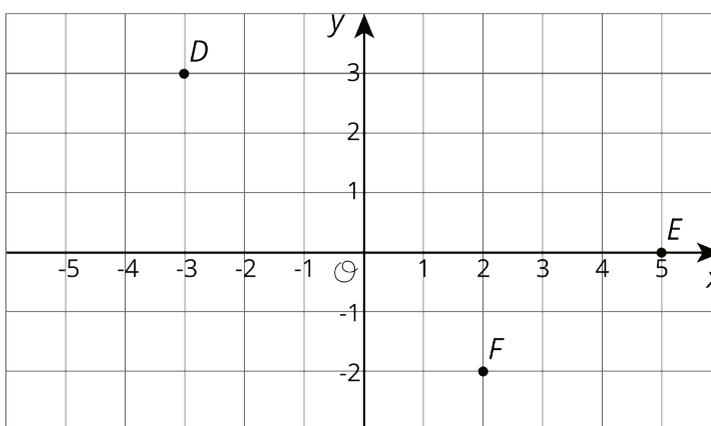
## Lesson 5 Practice Problems

1. a. Here are some points.



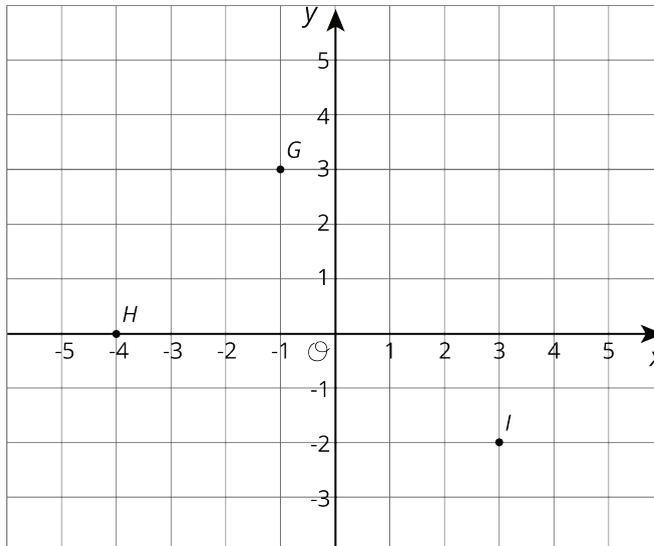
What are the coordinates of  $A$ ,  $B$ , and  $C$  after a translation to the right by 4 units and up 1 unit? Plot these points on the grid, and label them  $A'$ ,  $B'$  and  $C'$ .

- b. Here are some points.



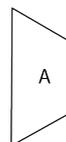
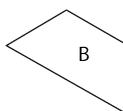
What are the coordinates of  $D$ ,  $E$ , and  $F$  after a reflection over the  $y$  axis? Plot these points on the grid, and label them  $D'$ ,  $E'$  and  $F'$ .

c. Here are some points.



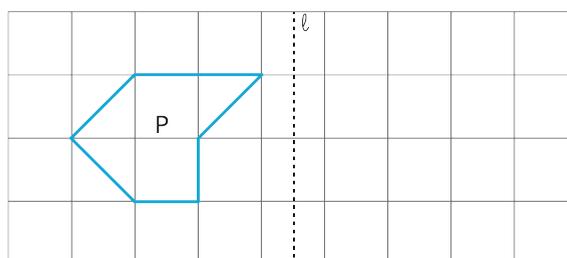
What are the coordinates of  $G$ ,  $H$ , and  $I$  after a rotation about  $(0, 0)$  by 90 degrees clockwise? Plot these points on the grid, and label them  $G'$ ,  $H'$  and  $I'$ .

2. Describe a sequence of transformations that takes trapezoid A to trapezoid B.



(From Unit 1, Lesson 4.)

3. Reflect polygon  $P$  using line  $\ell$ .



(From Unit 1, Lesson 3.)