

Transformation Problem Record Sheet

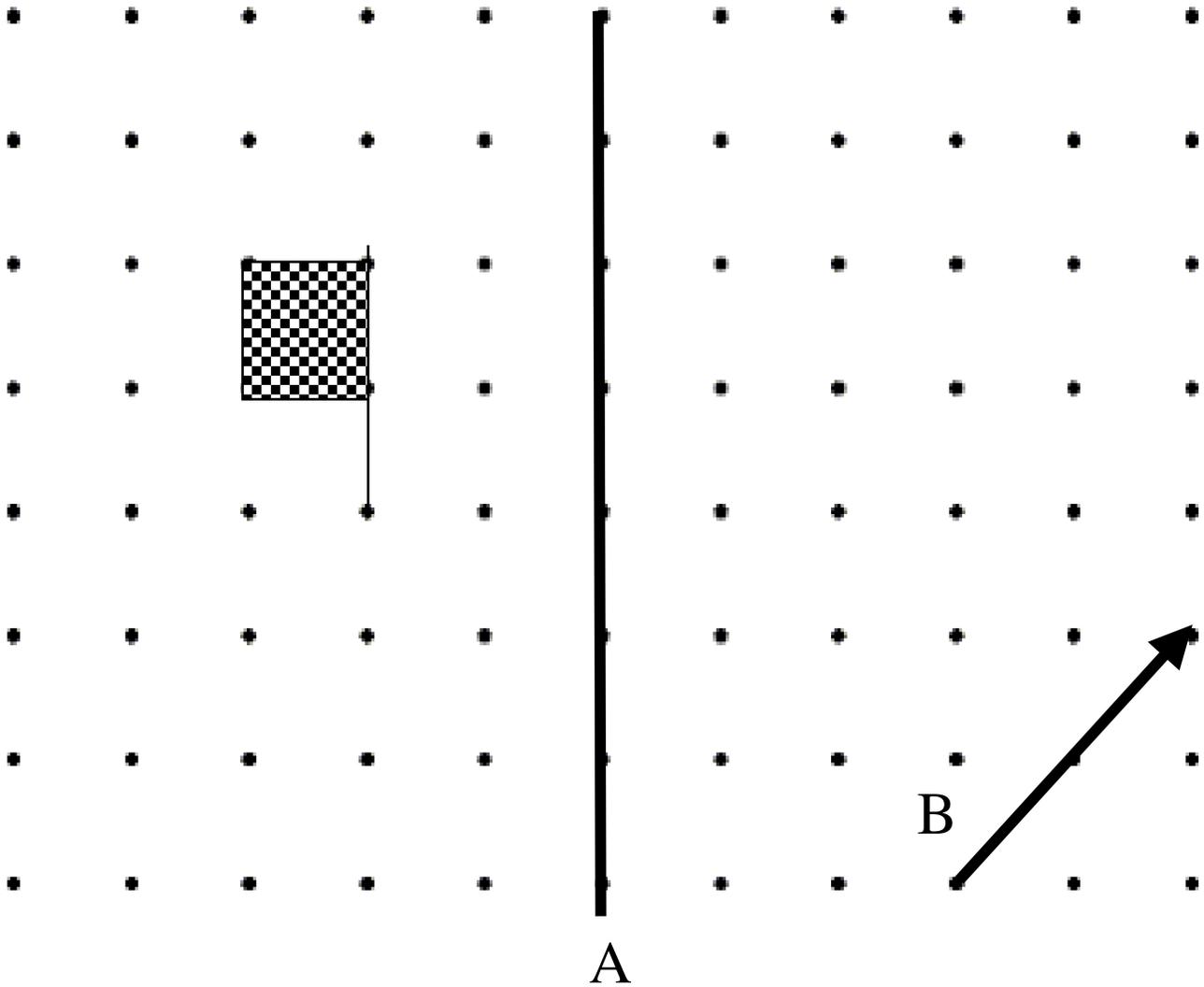
At the end of the trimester, all the points will be accumulated for a problem solving evaluation.

"E" Level Problems - 2 points if all positions are correct.

"M" Level Problems - 3 points if all positions are correct.

"H" Level Problems - 4 or 5 points if all positions are correct.

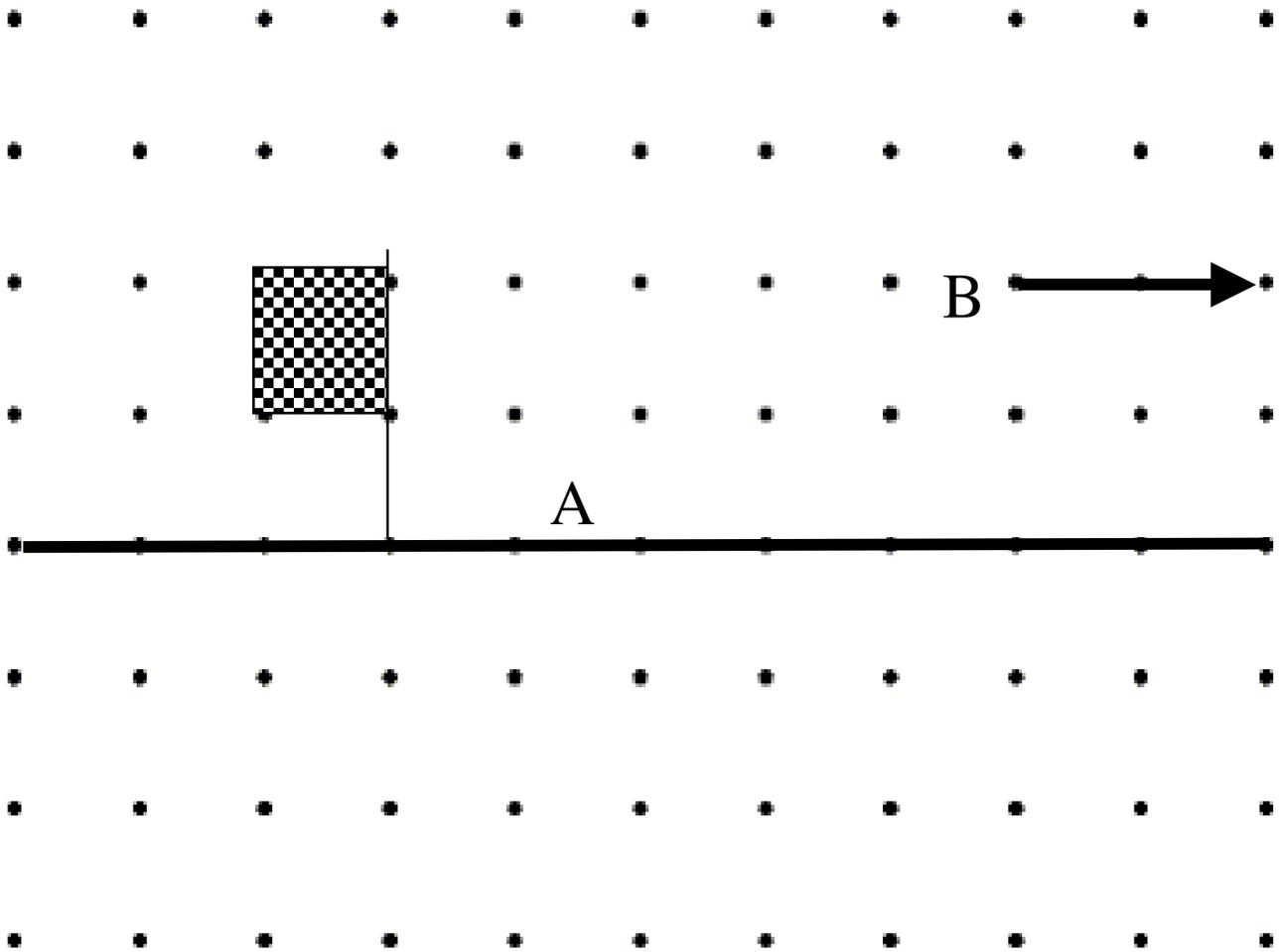
<u>Easy Problem</u>	<u>Circle Step Completed</u>	<u>Medium Problem</u>	<u>Circle Step Completed</u>	<u>Hard Problem</u>	<u>Circle Step Completed</u>
E1	1 2	M1	1 2 3	H1	1 2 3 4
E2	1 2	M2	1 2 3	H2	1 2 3 4
E3	1 2	M3	1 2 3	H3	1 2 3 4
E4	1 2	M4	1 2 3	H4	1 2 3 4 5
E5	1 2	M5	1 2 3	H5	1 2 3 4 5
E6	1 2	M6	1 2 3	Hard Total	
E7	1 2	M7	1 2 3	Grand Total	
E8	1 2	M8	1 2 3	72 maximum points 60 points or more ++ 40 - 59 pts. + 20 - 39 pts. / Under 20 points ~	
E9	1 2	M9	1 2 3		
E10	1 2	M10	1 2 3		
Easy Total		Medium Total			



Easy Level

Problem 1

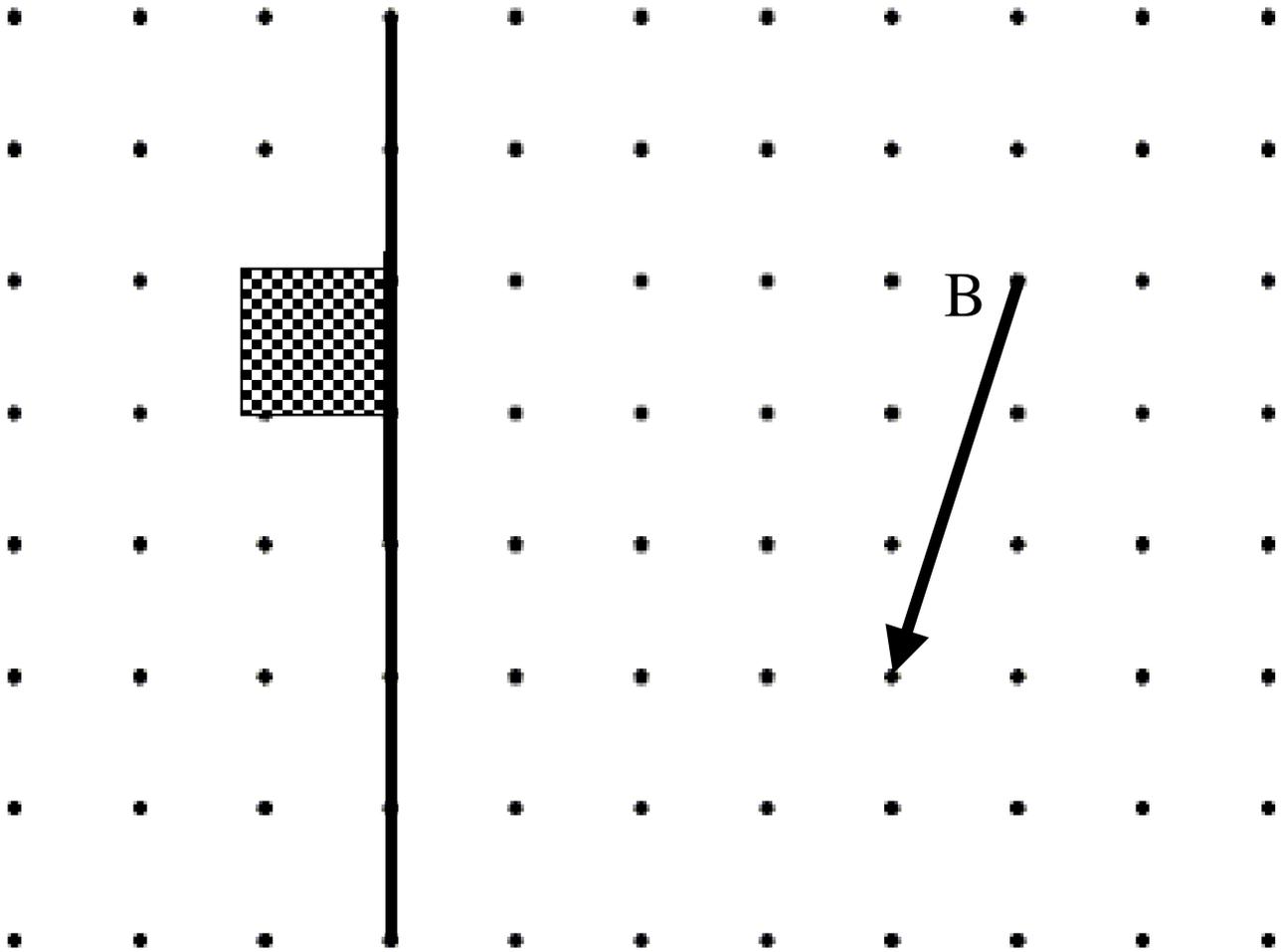
Flip flag on A, then translate on line B.
Draw all steps and shade in the final
position of the flag.



Easy Level

Problem 2

Flip flag on A, then translate on line B.
Draw all steps and shade in the final
position of the flag.

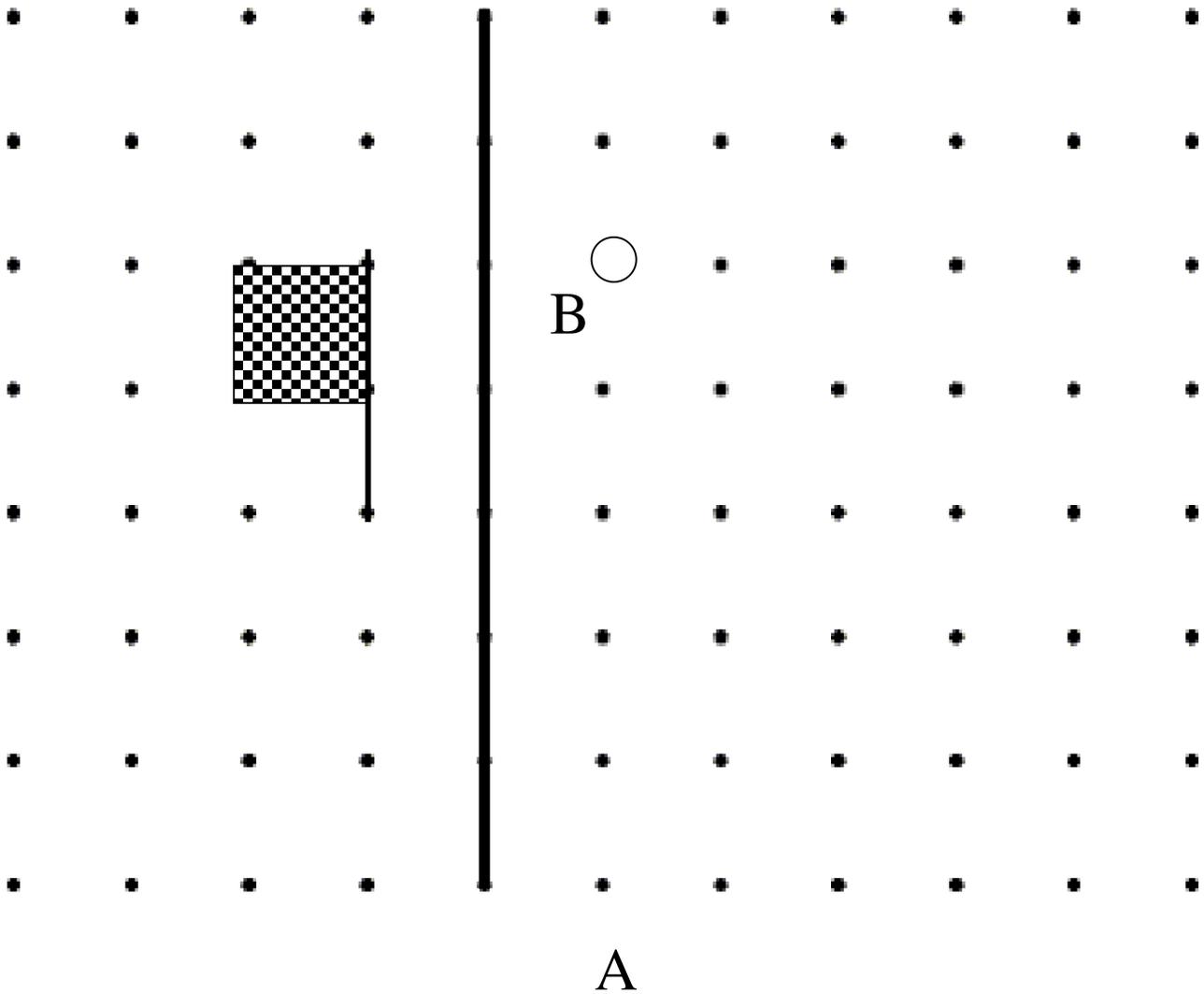


A

Easy Level

Problem 3

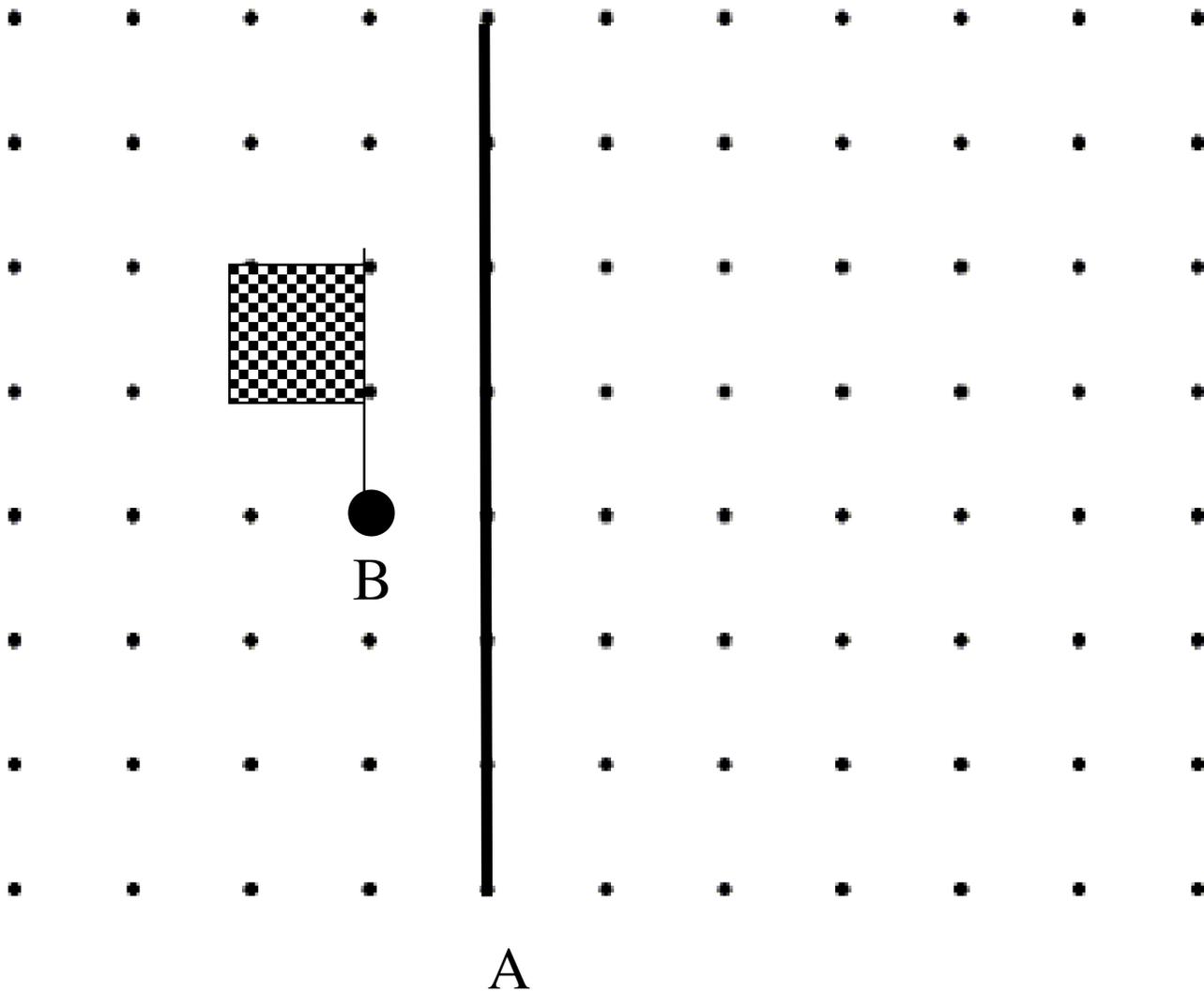
Flip flag on A, then translate on line B.
Draw all steps and shade in the final
position of the flag.



Easy Level

Problem 4

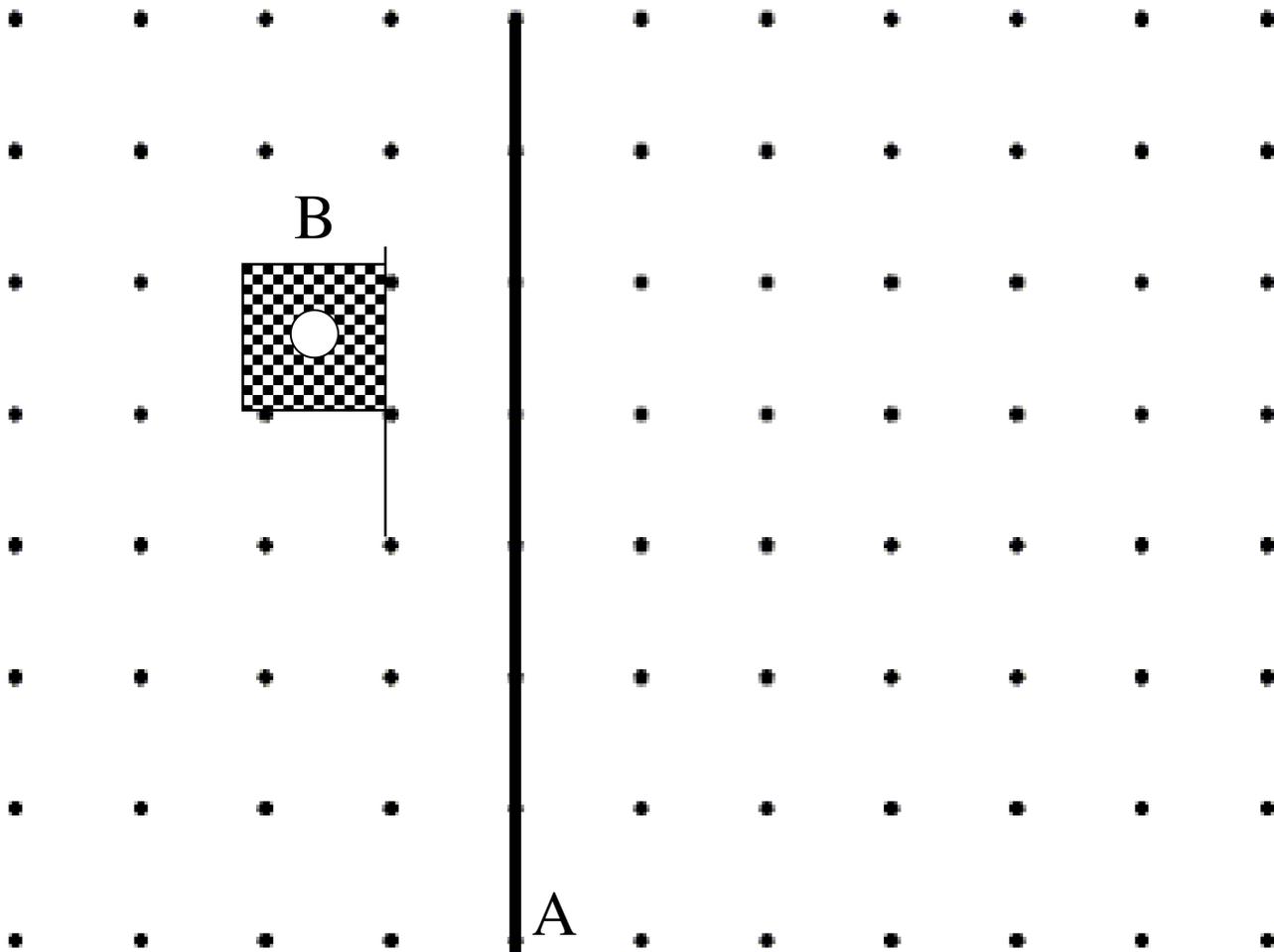
Flip flag on A, then rotate left 90 degrees on Point B. Draw all steps and shade in the final position of the flag.



Easy Level

Problem 5

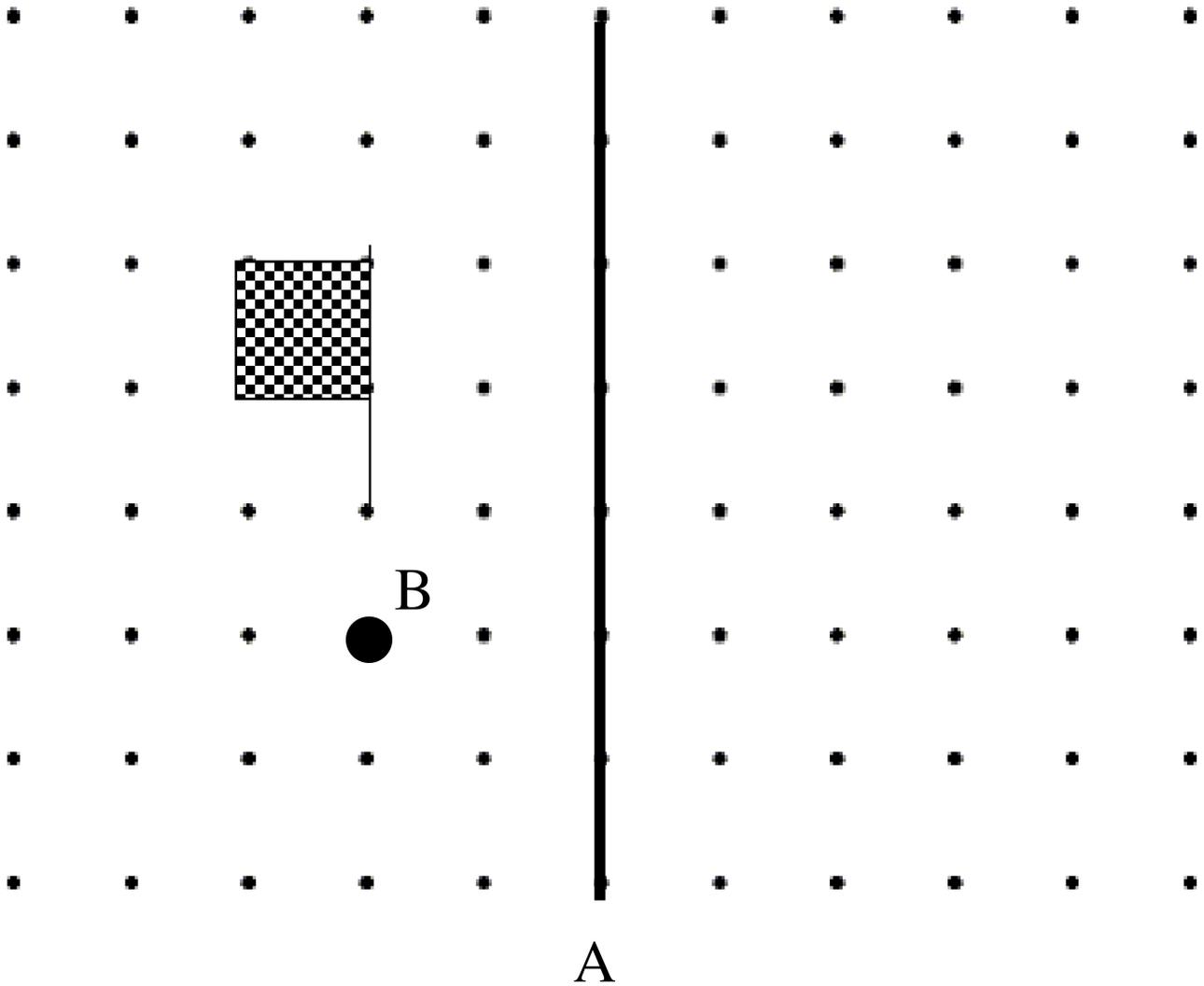
Rotate left 180 degrees on Point B.
Then flip on Line A. Draw all steps and
shade in the final position of the flag.



Easy Level

Problem 6

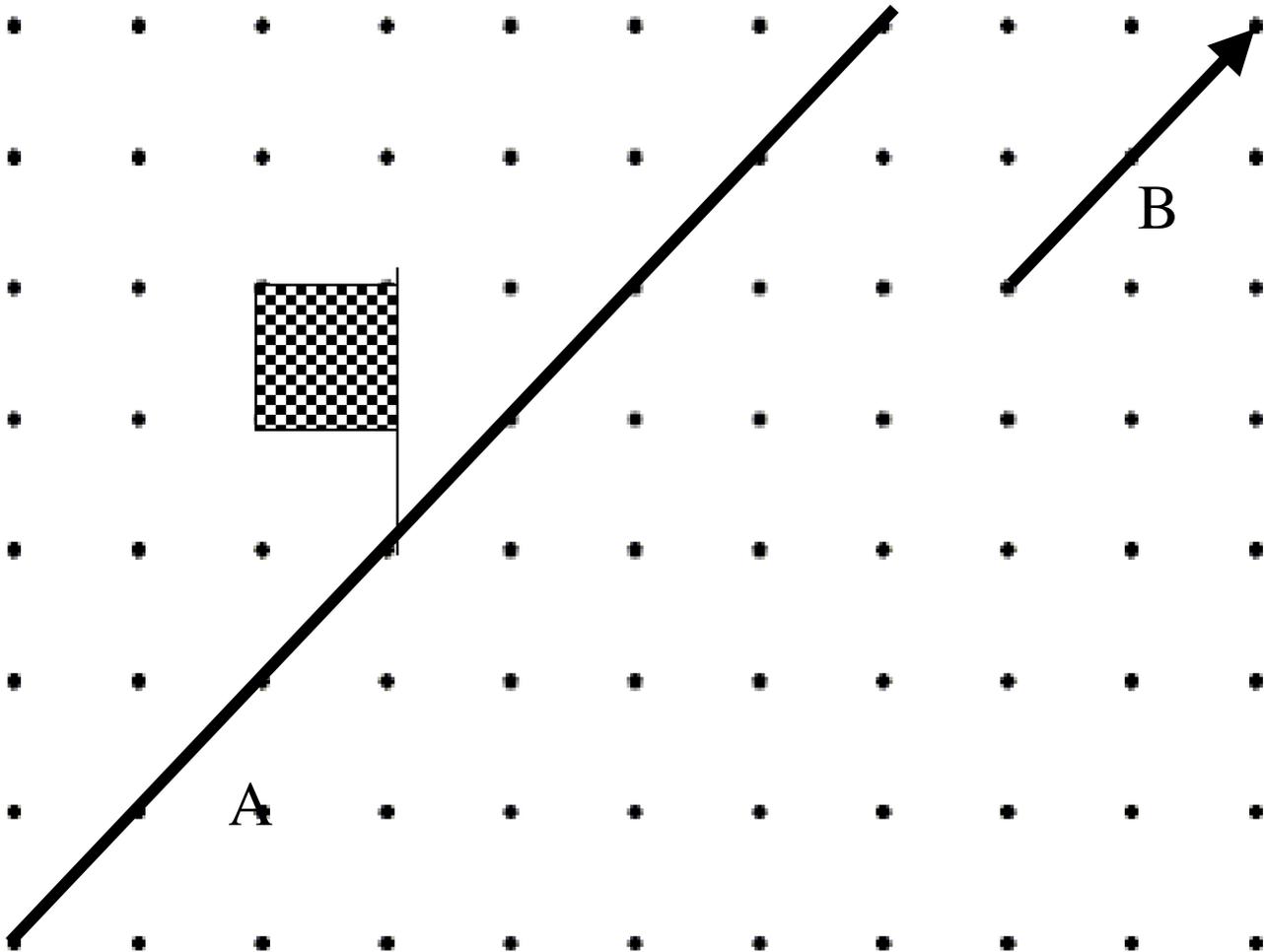
Rotate left 180 degrees on Point B.
Then flip on Line A. Draw all steps and
shade in the final position of the flag.



Easy Level

Problem 7

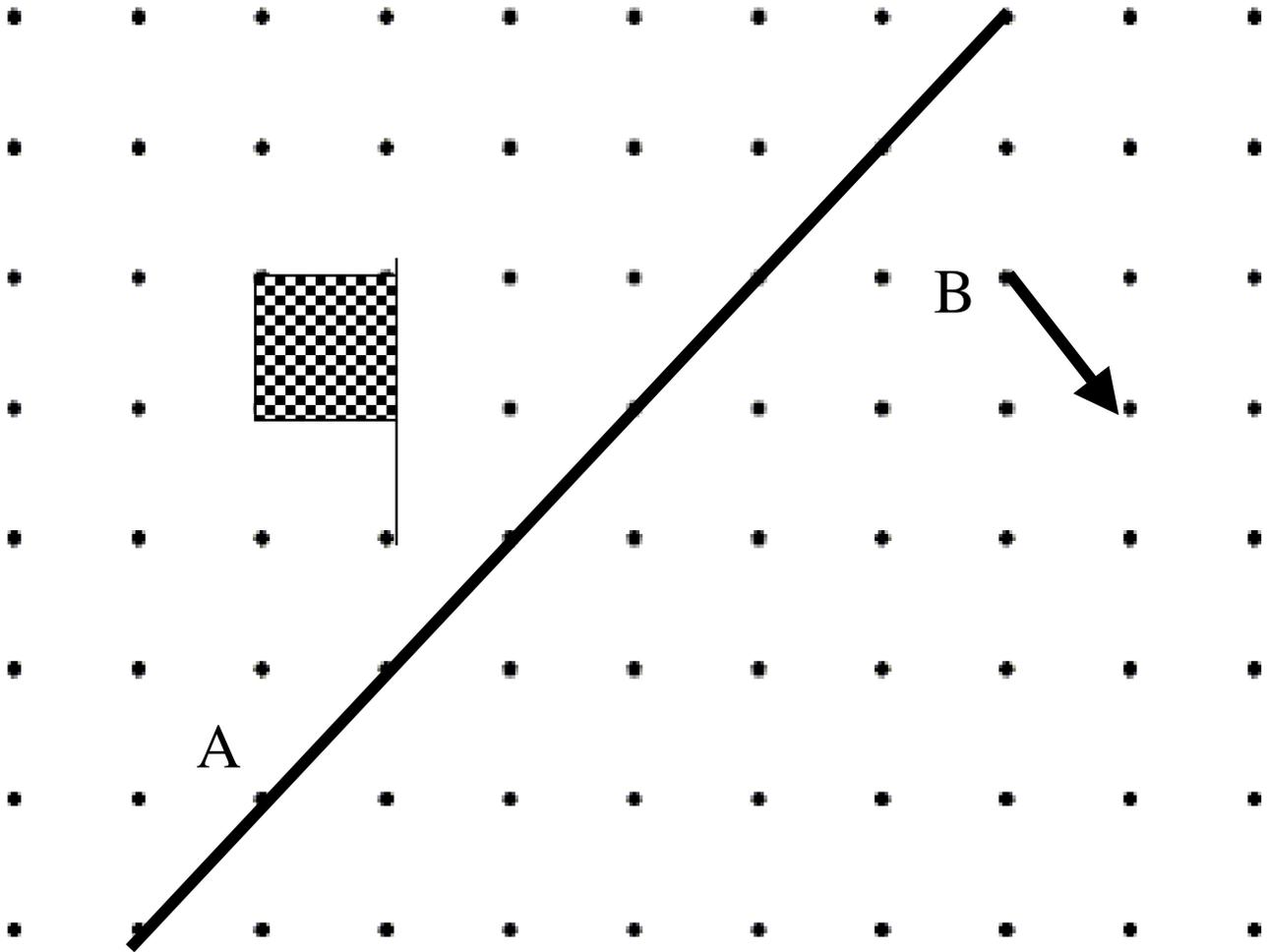
Rotate left 90 degrees left on point B.
Then flip on Line A. Draw all steps and
shade in the final position of the flag.



Easy Level

Problem 8

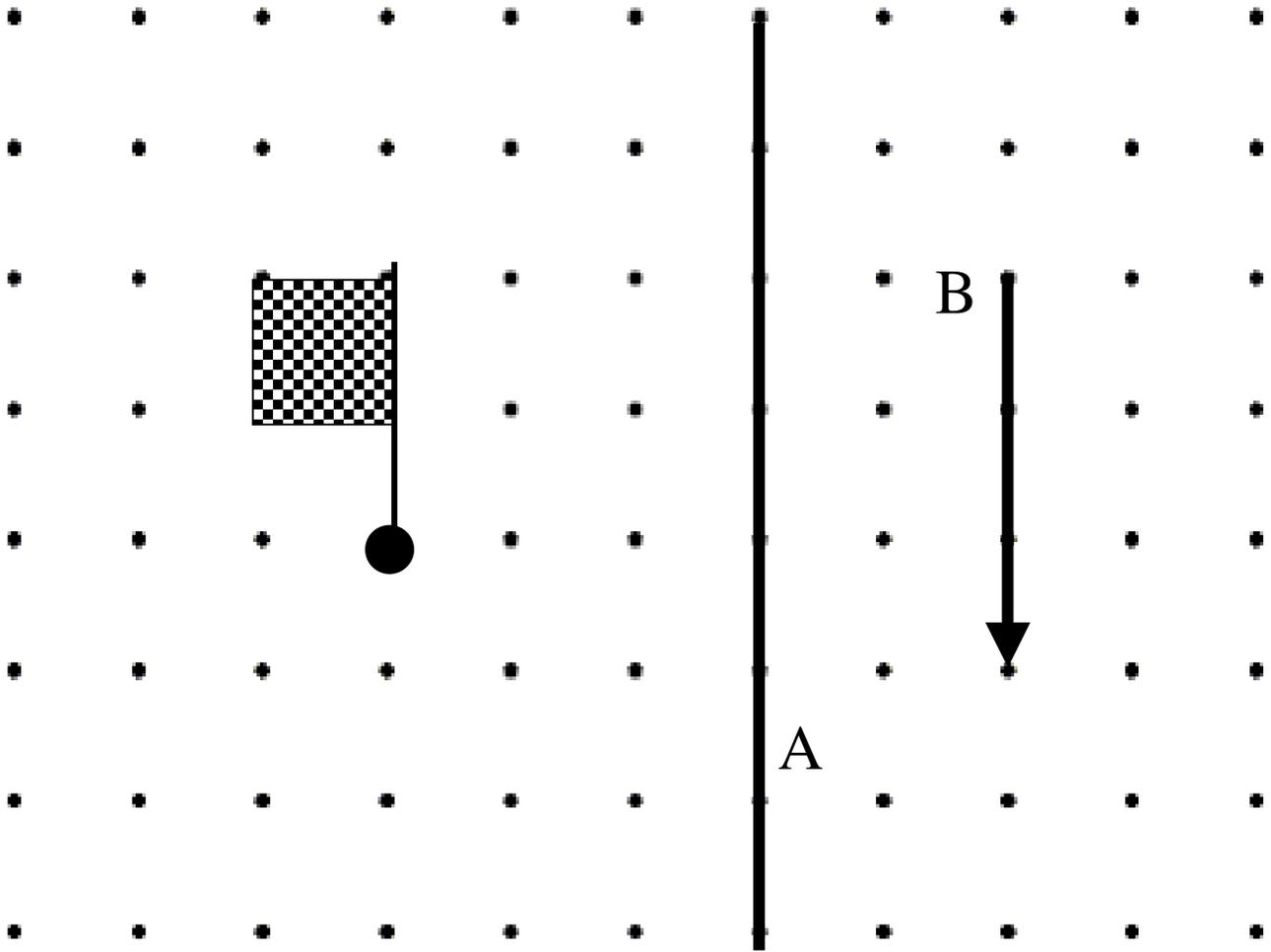
Flip flag on A, then translate on line B.
Draw all steps and shade in the final
position of the flag.



Easy Level

Problem 9

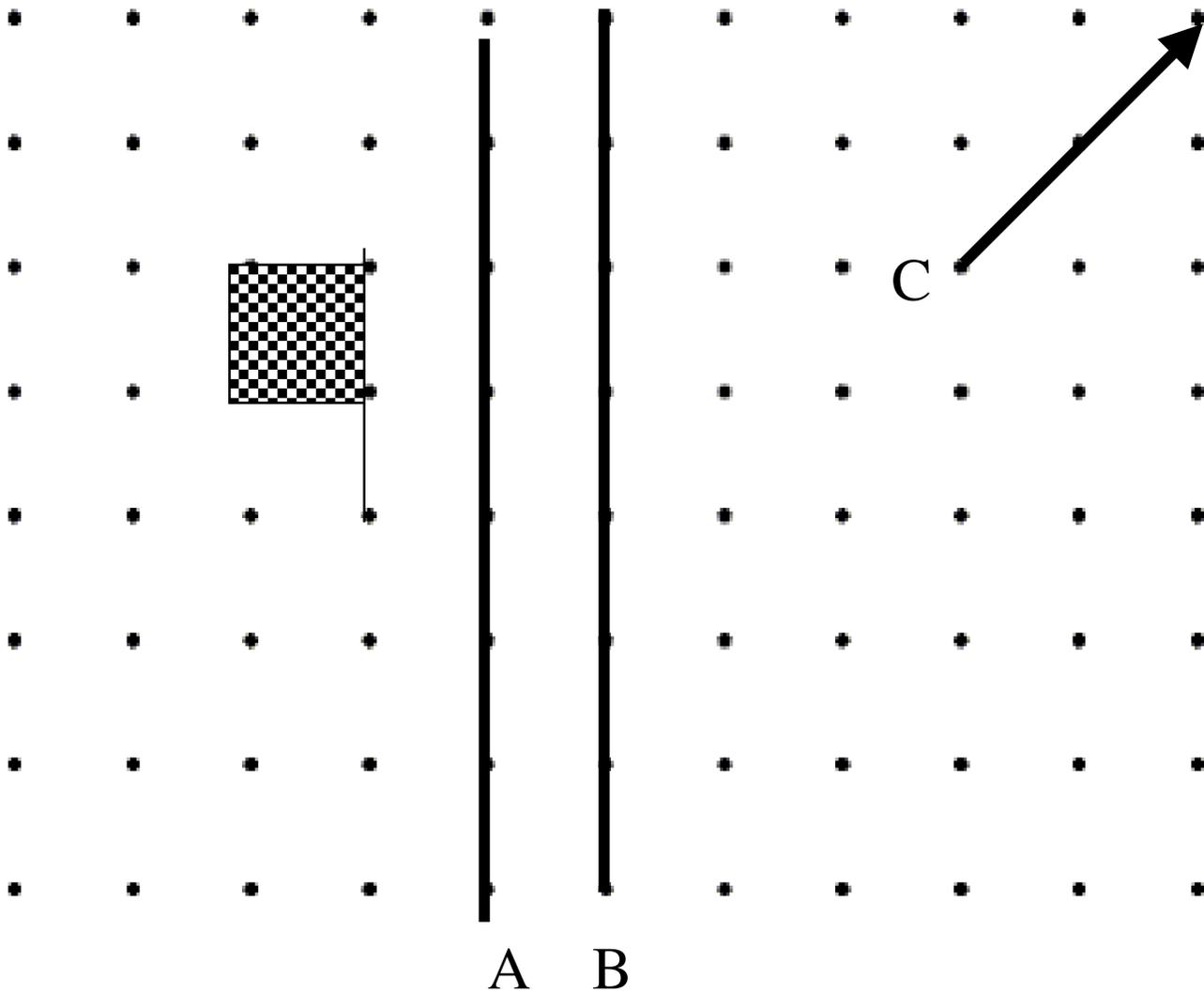
Flip flag on A, then translate on line B.
Draw all steps and shade in the final
position of the flag.



Easy Level

Problem 10

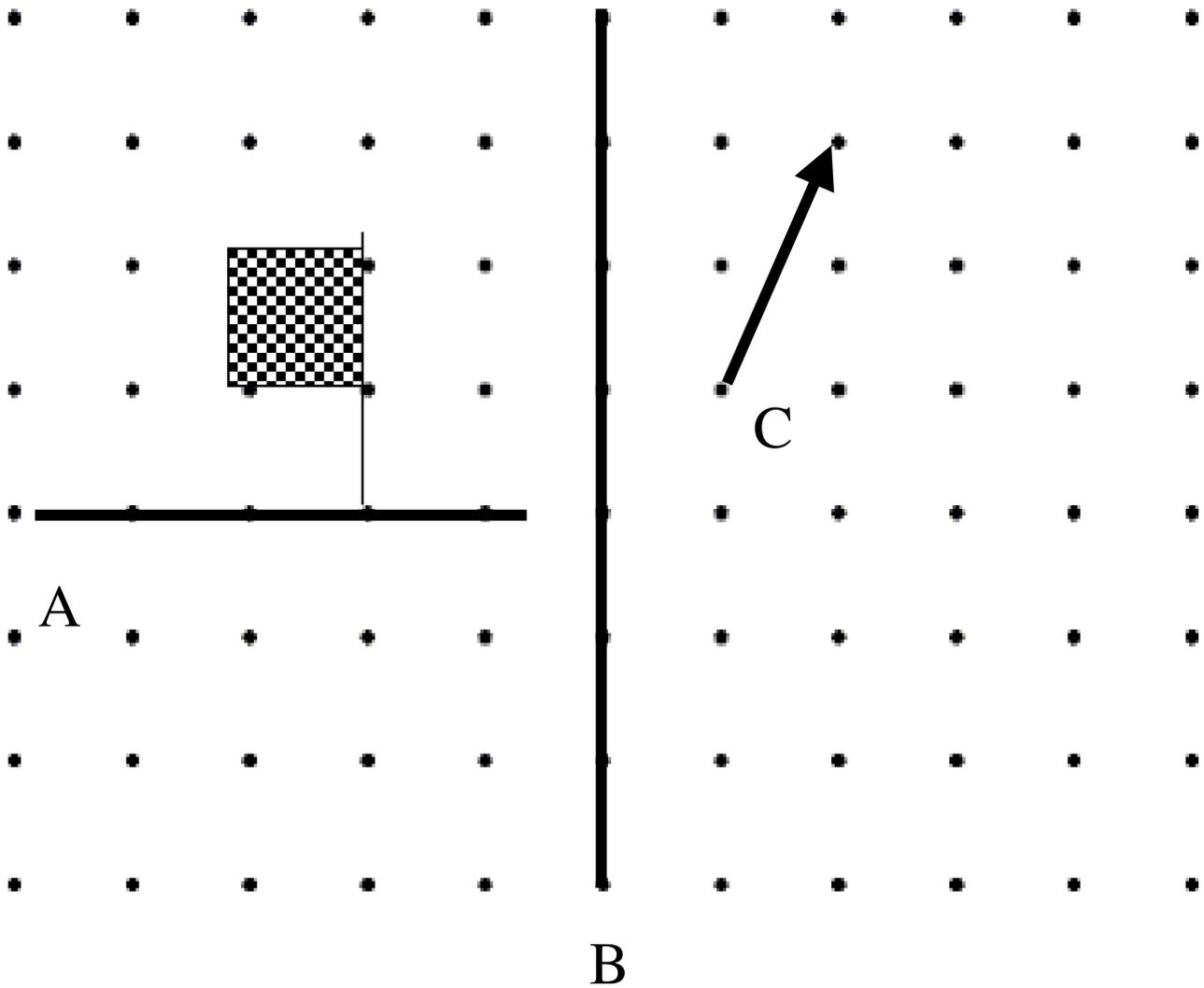
Flip flag on A, then translate on B. Draw all steps and shade in the final position of the flag.



Medium Level

Problem 1

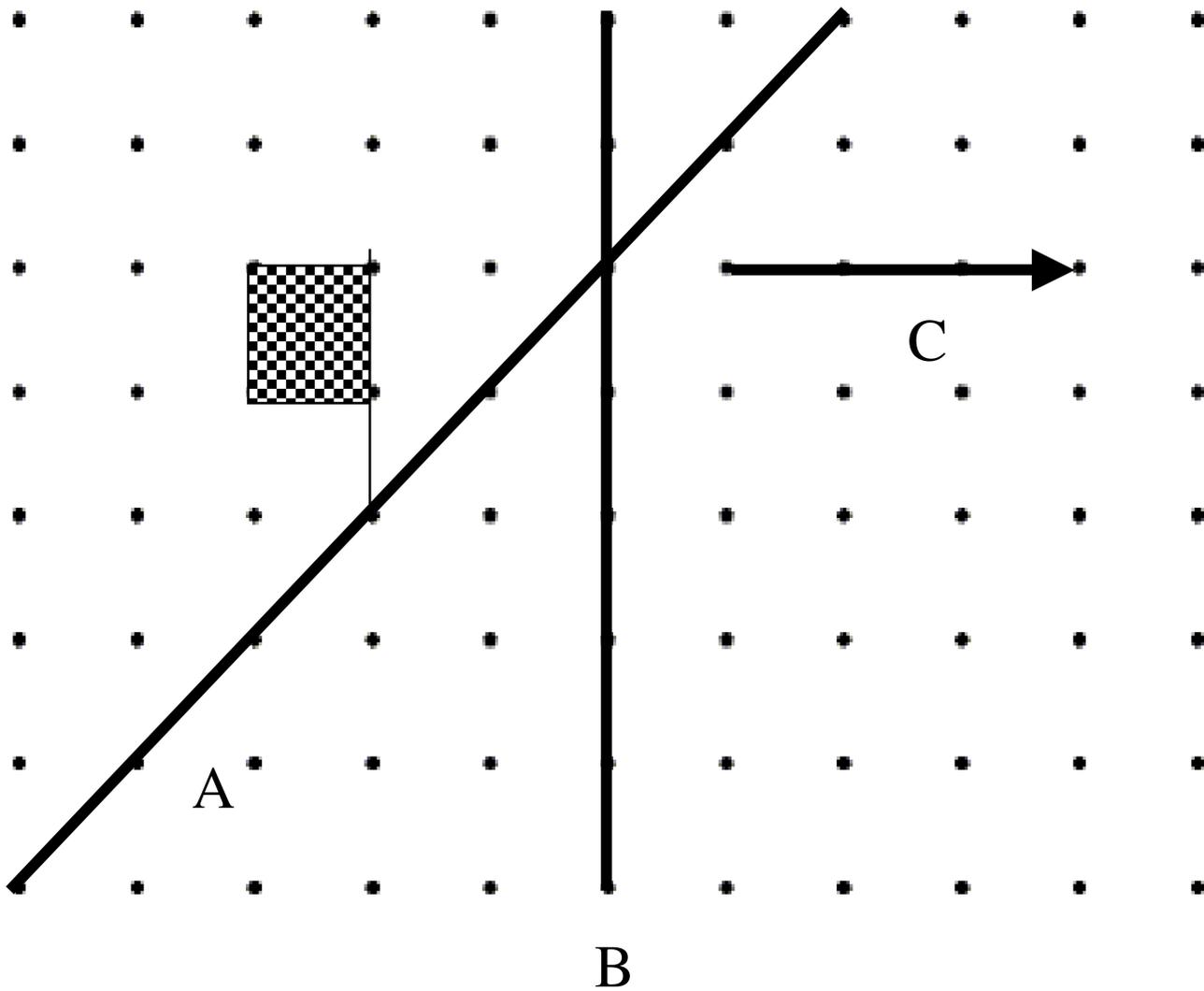
Flip flag on A, then on line B. Then translate on line C. Draw all steps and shade in the final position of the flag.



Medium Level

Problem 2

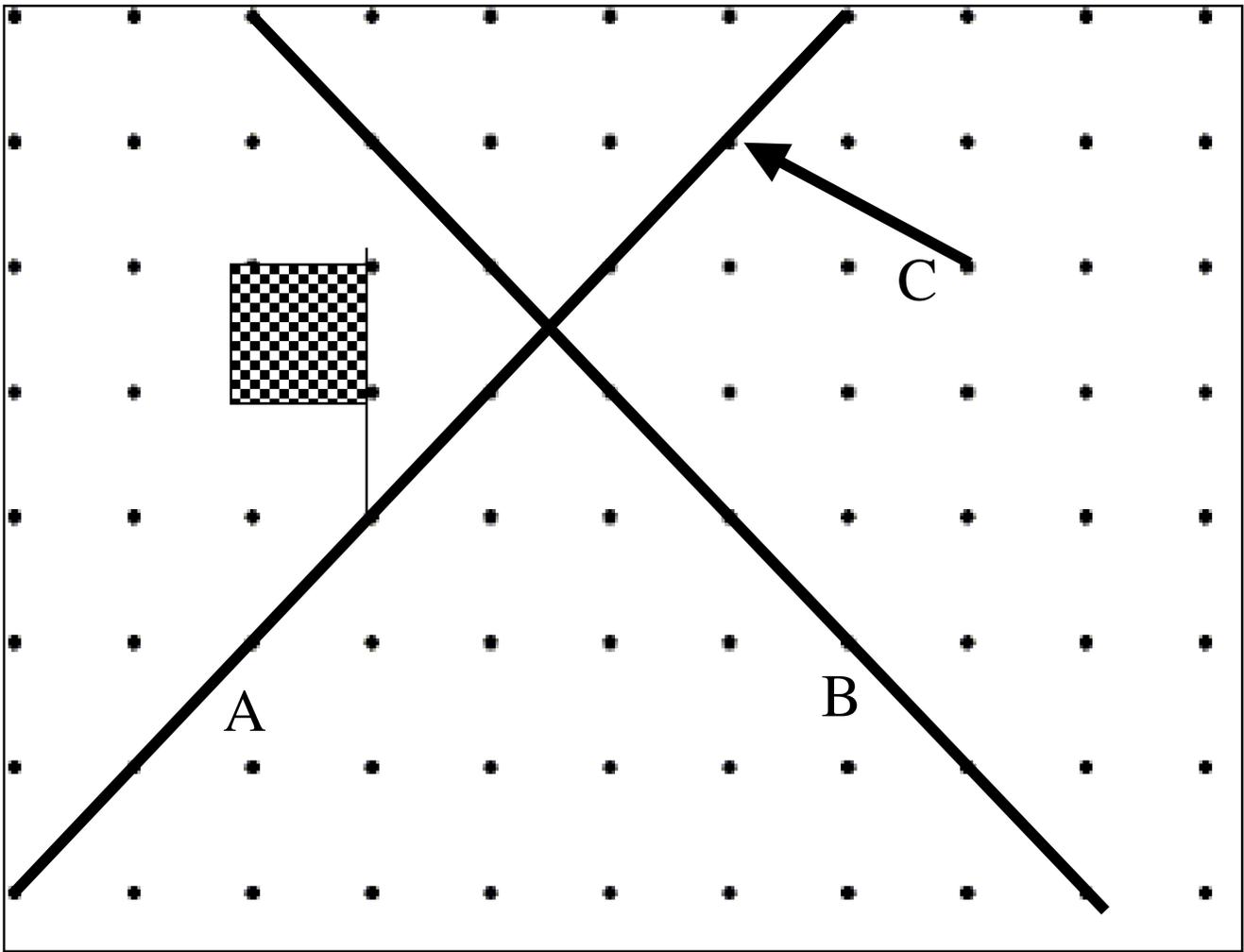
Flip flag on A, then on line B. Then translate on line C. Draw all steps and shade in the final position of the flag.



Medium Level

Problem 3

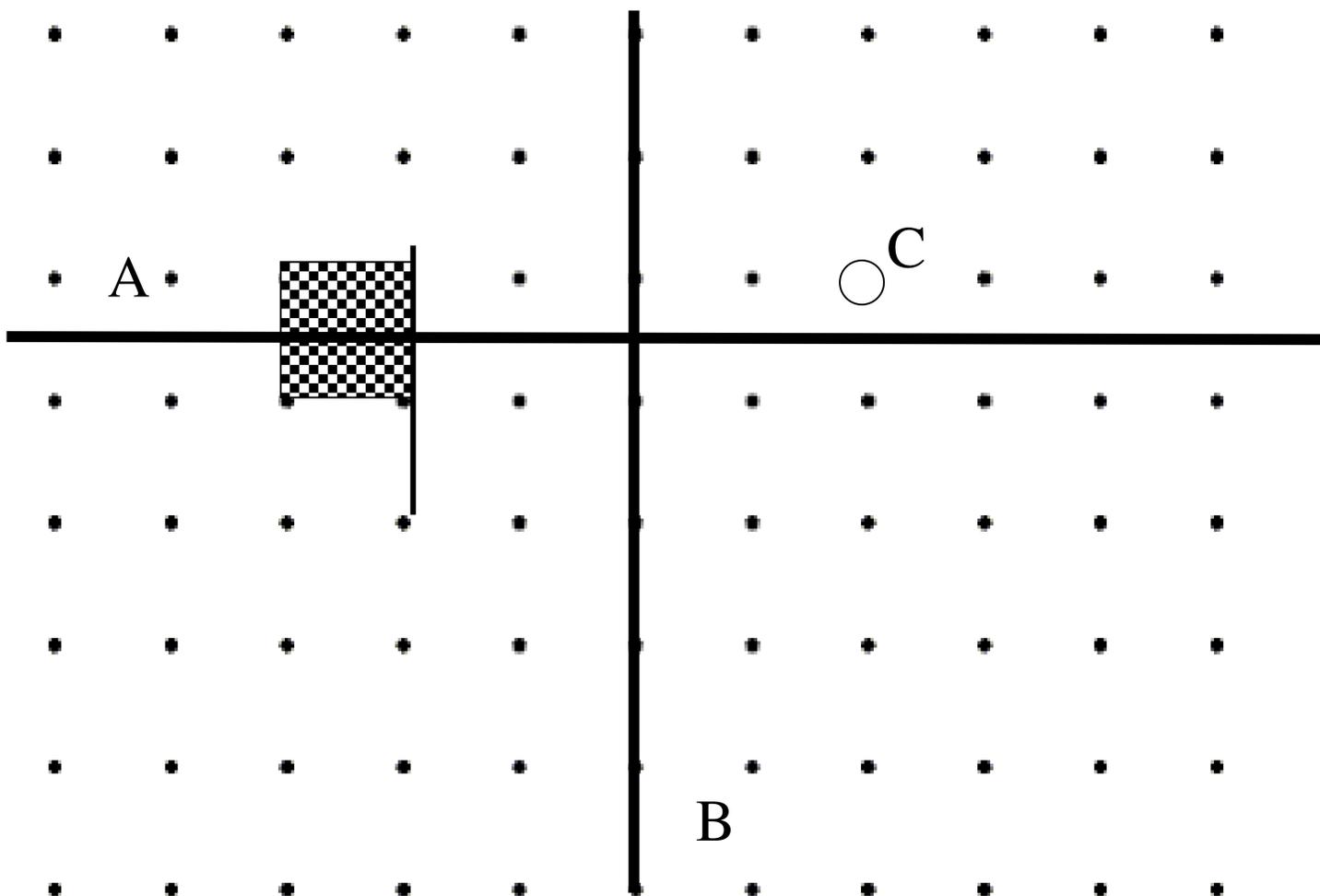
Flip flag on A, then on line B. Then translate on line C. Draw all steps and shade in the final position of the flag.



Medium Level

Problem 4

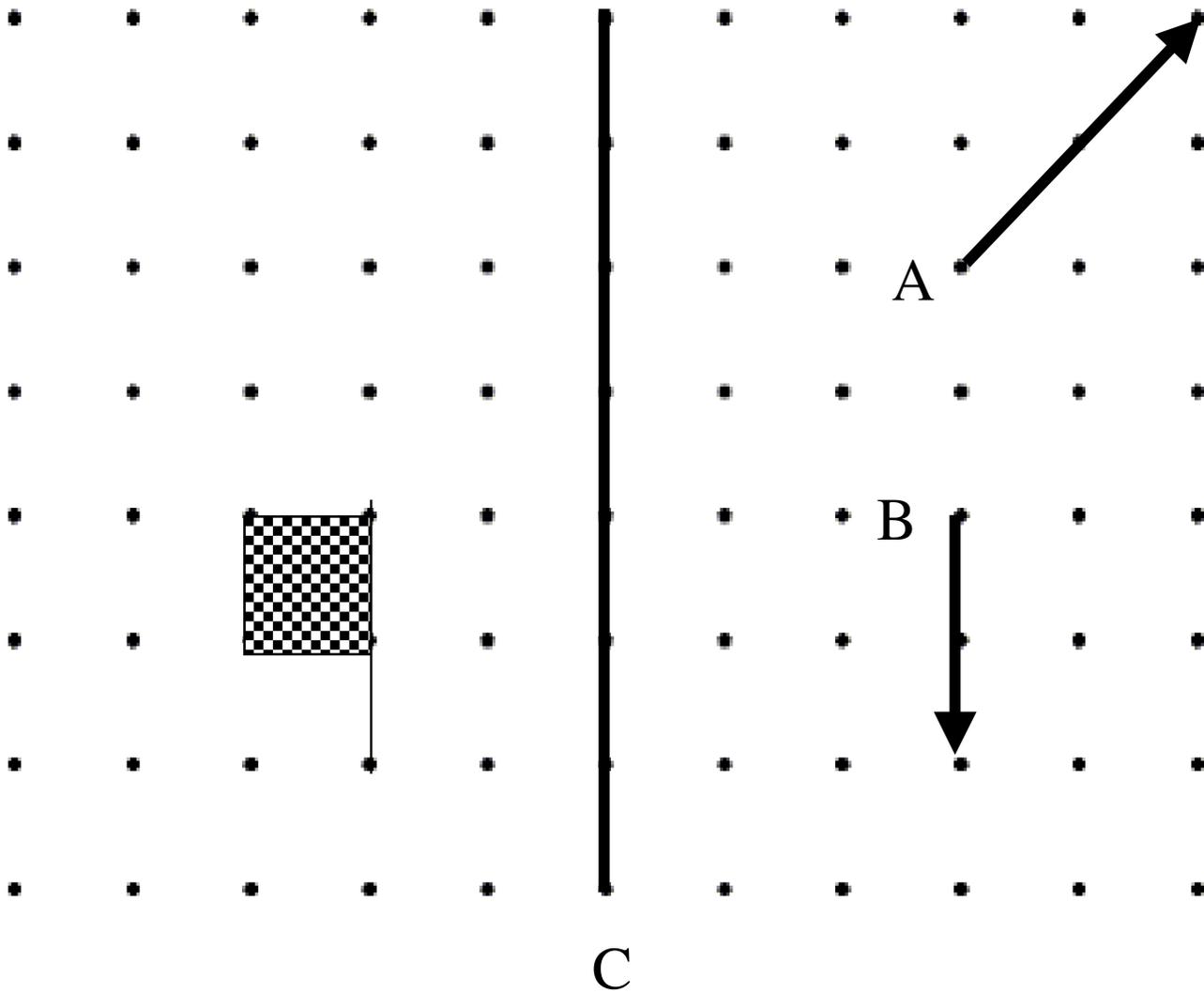
Flip flag on A, then on line B. Then translate on line C. Draw all steps and shade in the final position of the flag.



Medium Level

Problem 5

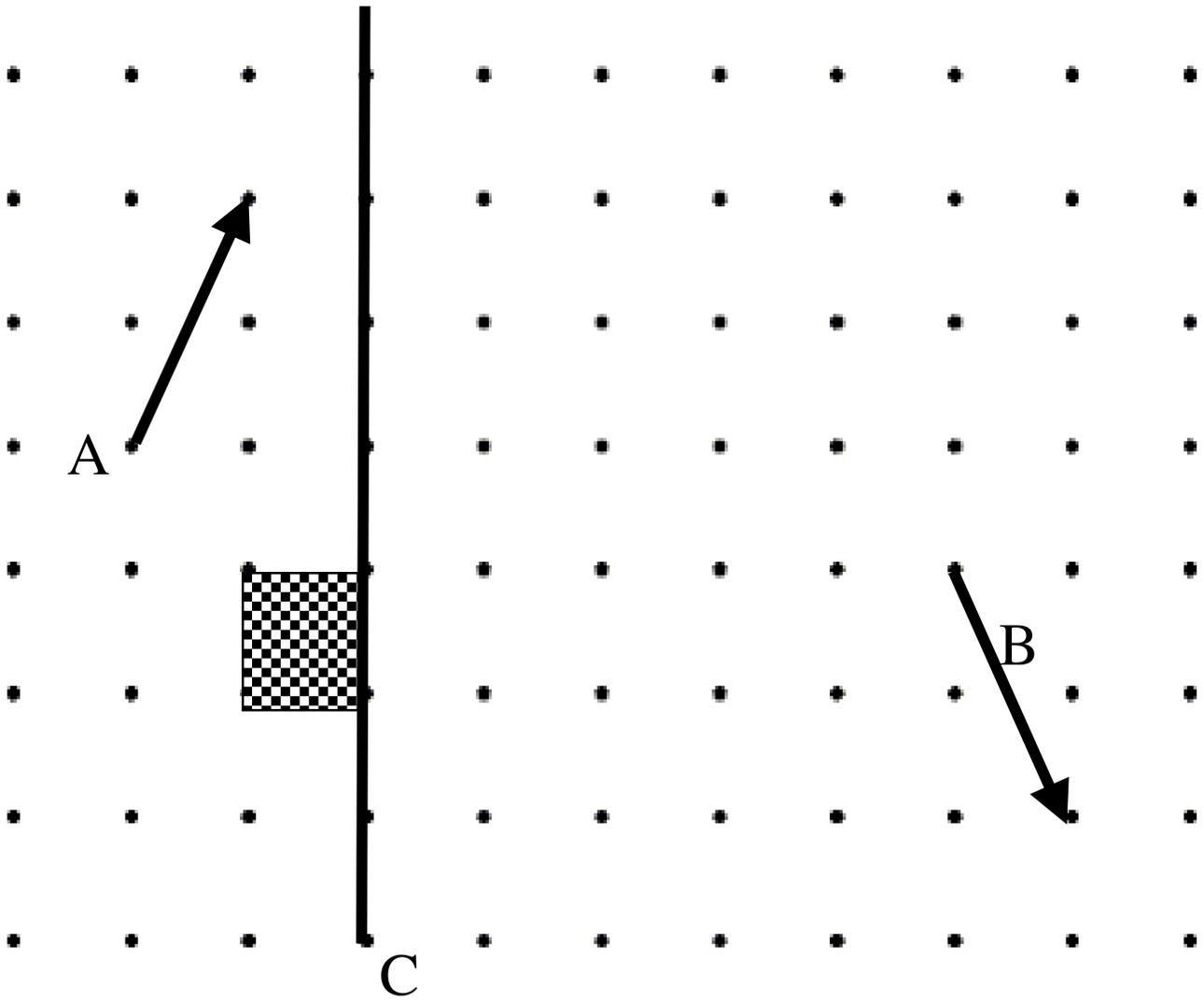
Flip flag on A, then on Line B. Then Rotate 90 degrees right on point C. Draw all steps and shade in the final position of the flag.



Medium Level

Problem 6

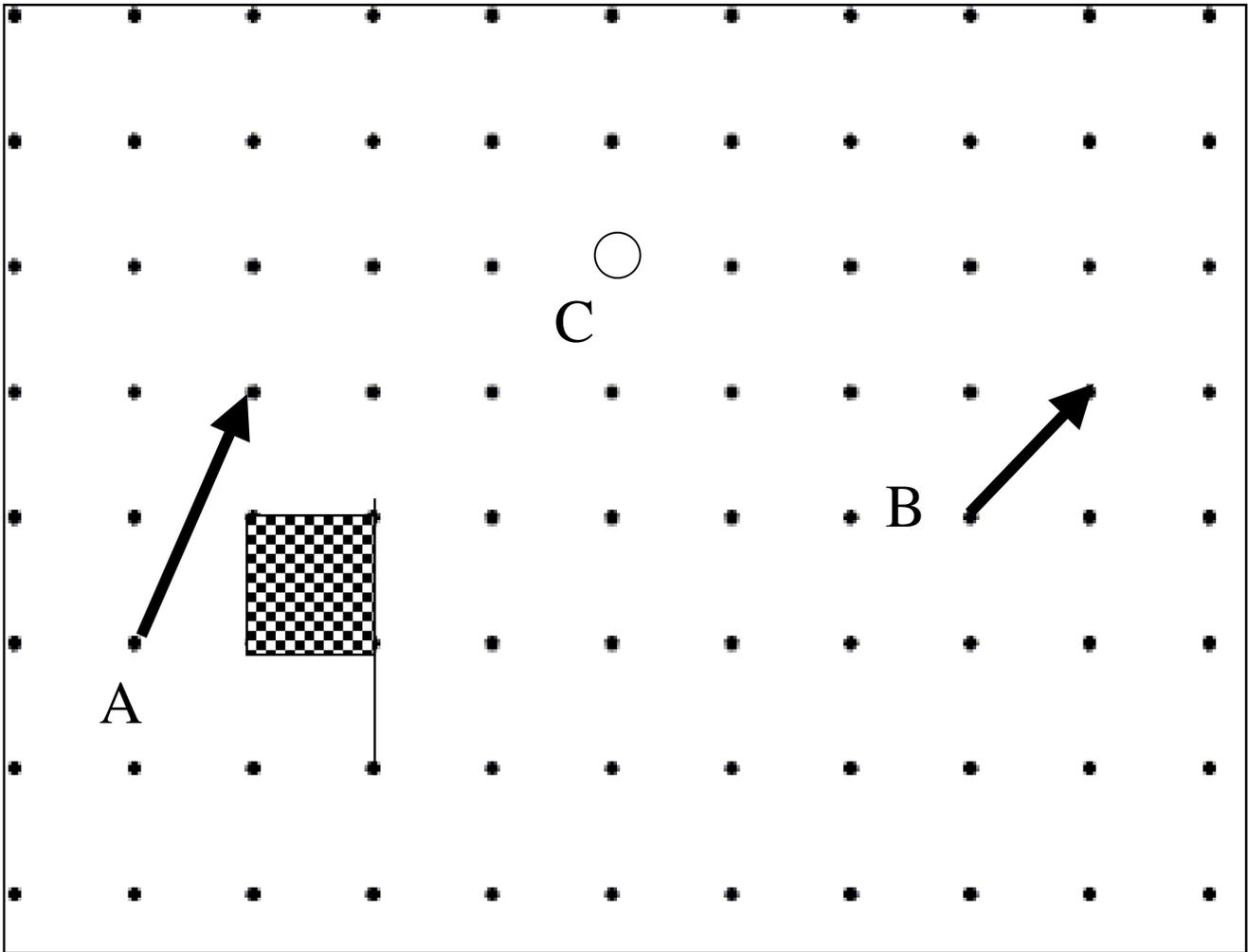
Translate on line A, then on line B.
 Then flip on line C. Draw all steps and
 shade in the final position of the flag.



Medium Level

Problem 7

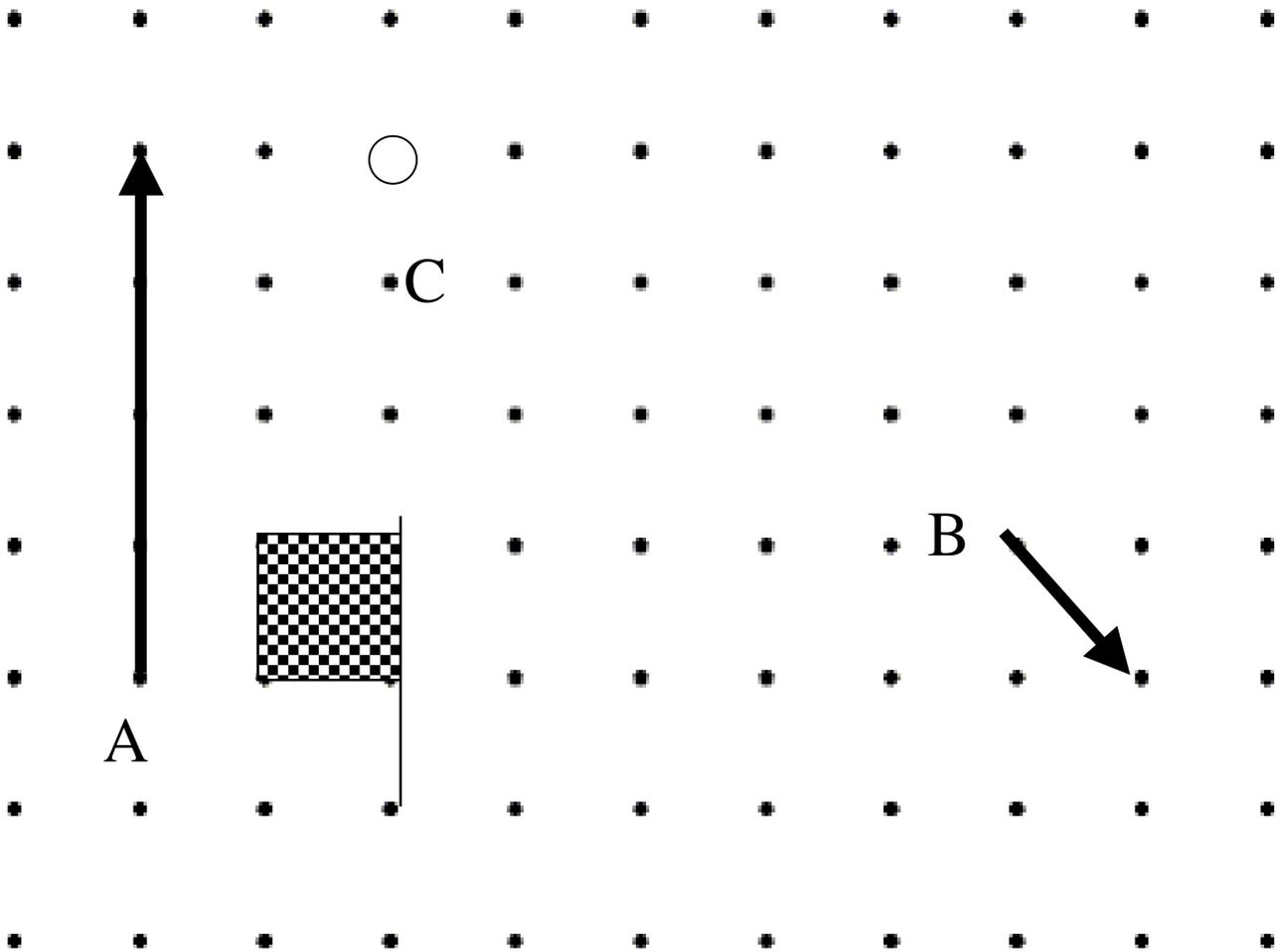
Translate on line A, then on line B.
Then flip on line C. Draw all steps and
shade in the final position of the flag.



Medium Level

Problem 8

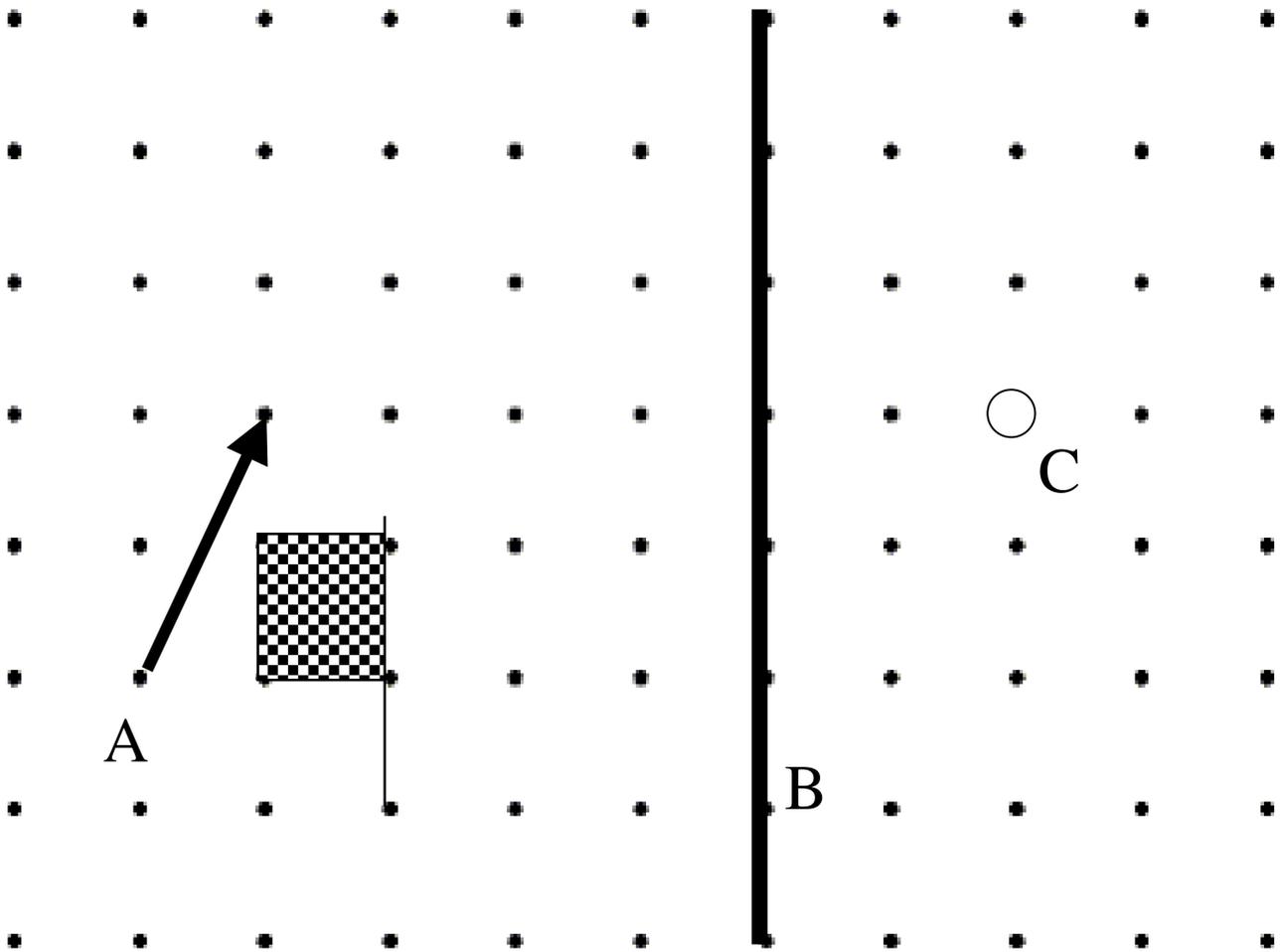
Translate on Line A, then on line B.
Then rotate 180 degrees right on point
C. Draw all steps and shade in the final
position of the flag.



Medium Level

Problem 9

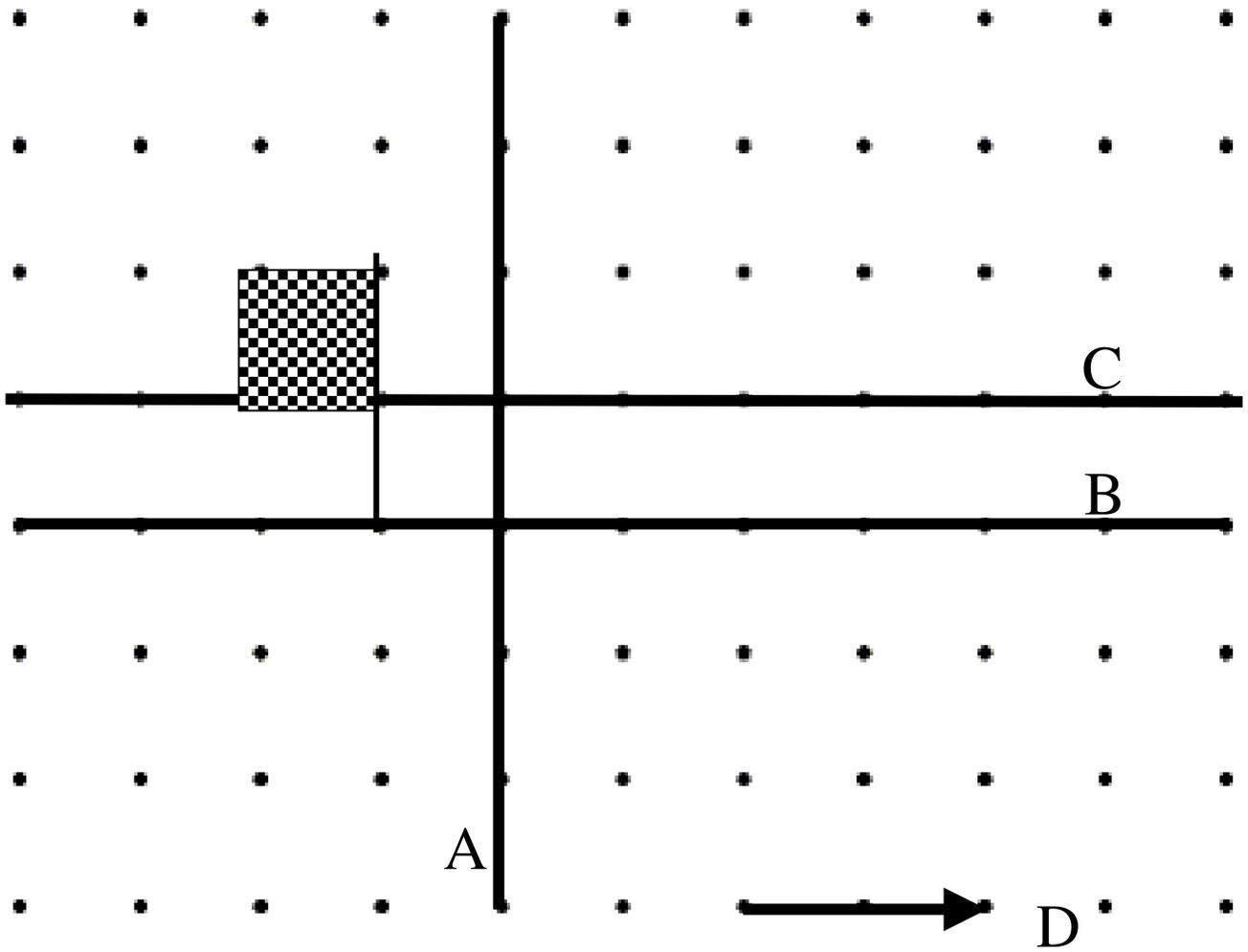
Translate on line A, then on line B.
 Rotate left 90 degrees on Point C. Draw
 all steps and shade in the final position
 of the flag.



Medium Level

Problem 10

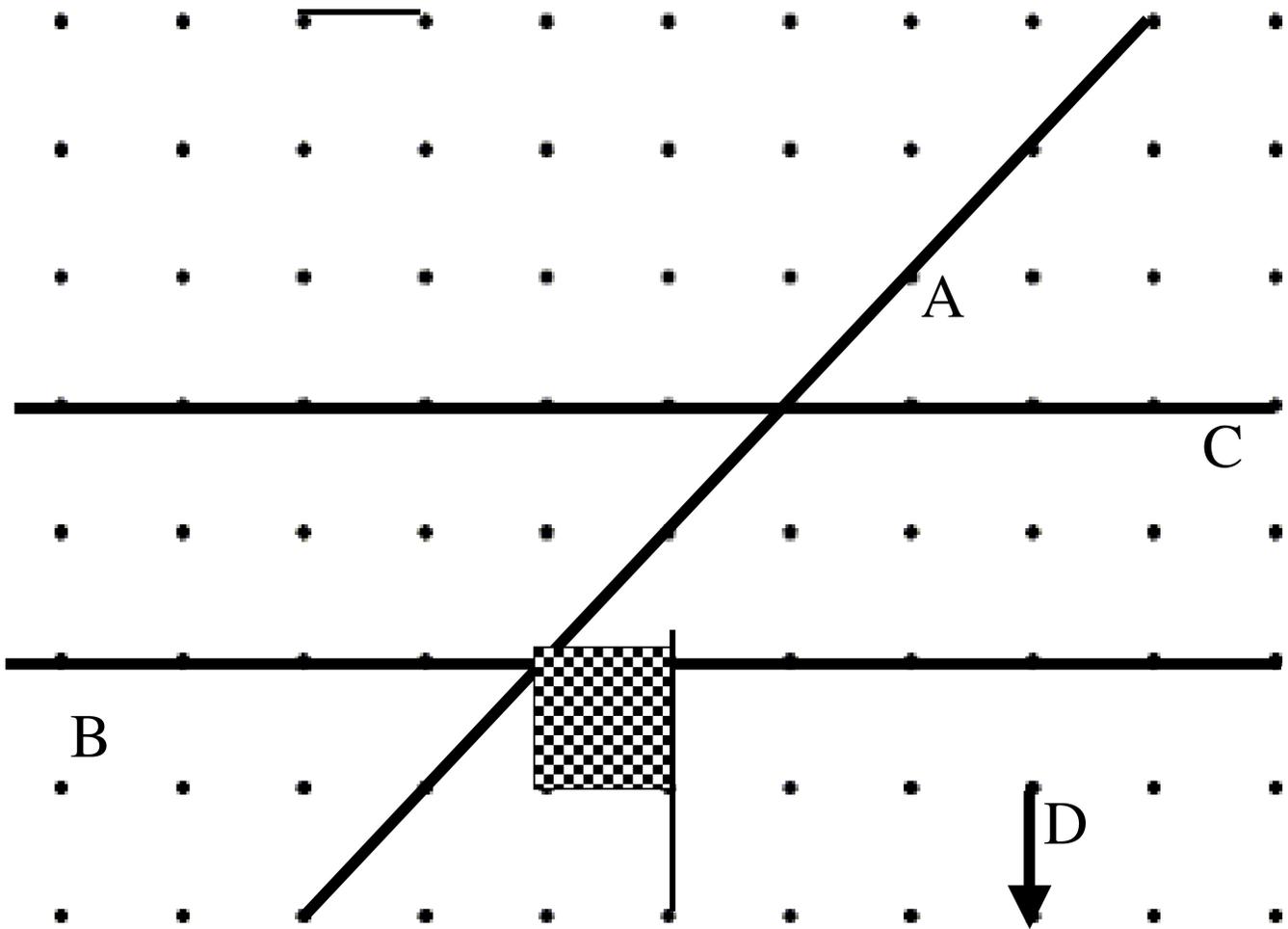
Translate on line A, flip on line B.
 Rotate left 90 degrees on point C. Draw
 all steps and shade in the final position
 of the flag.



Hard Level

Problem 1

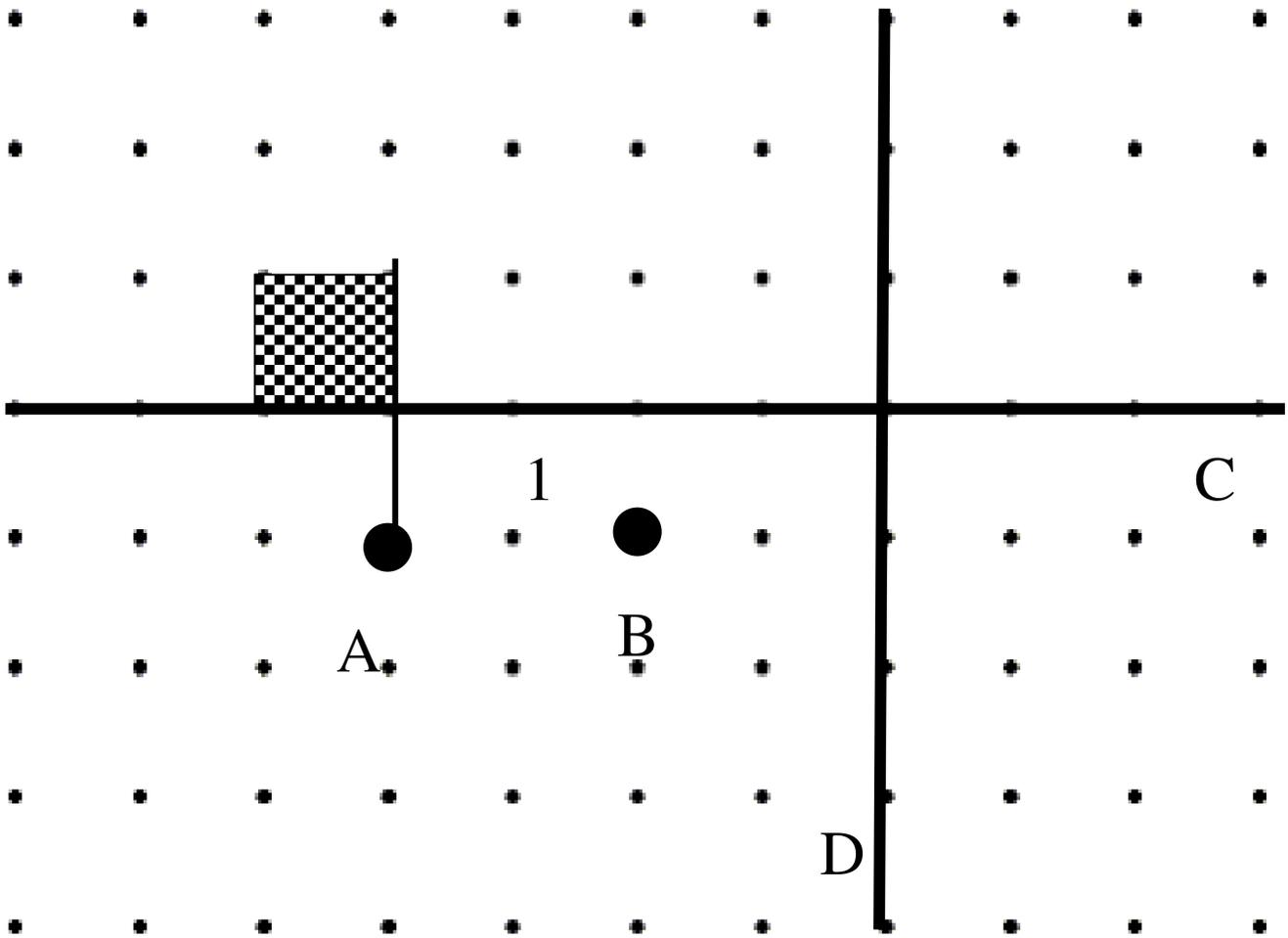
Flip flag on A, B and C. Then translate on line D. Draw all steps and shade in the final position of the flag.



Hard Level

Problem 2

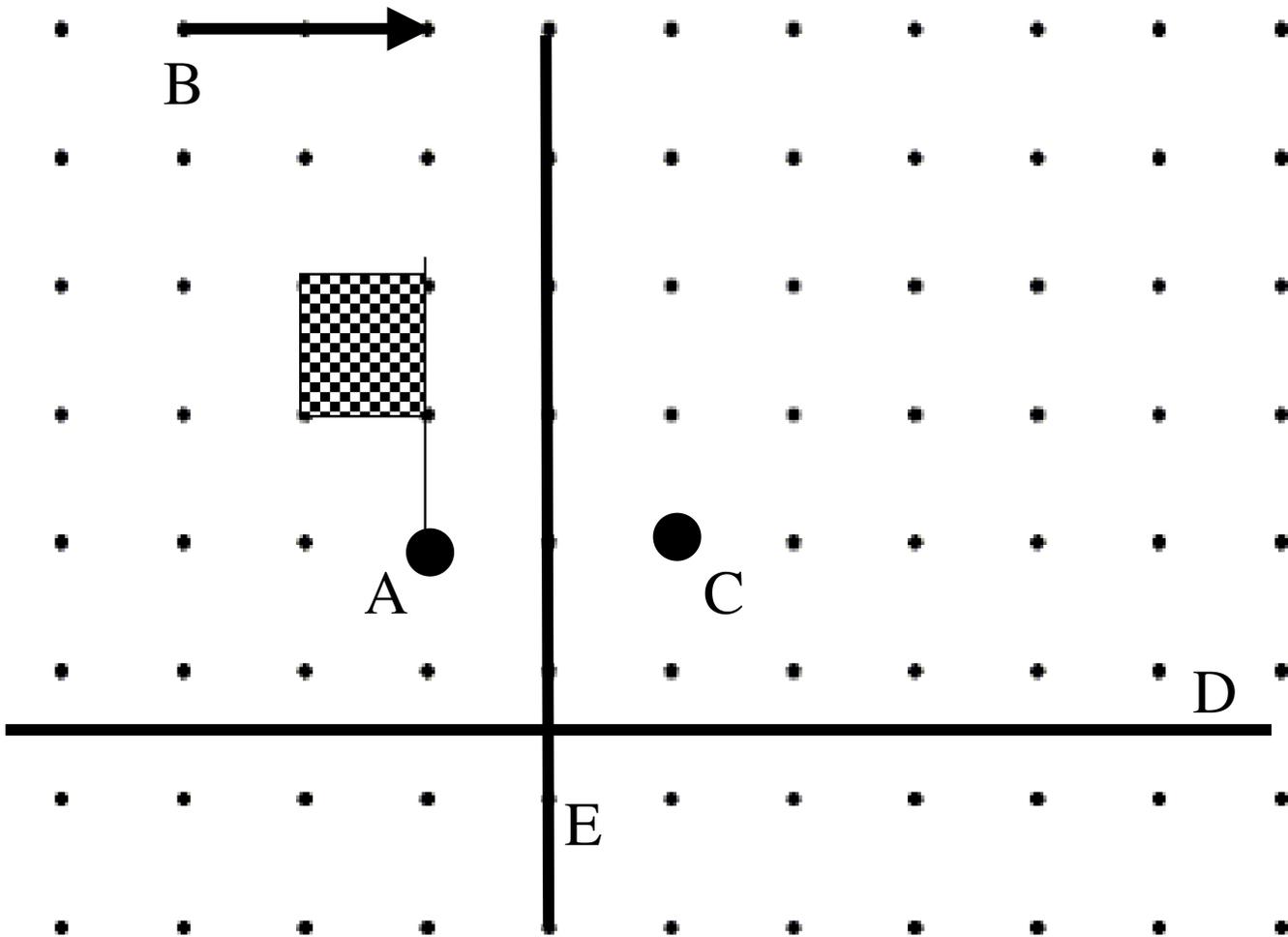
Flip flag on A, B and C. Then translate on line D. Draw all steps and shade in the final position of the flag.



Hard Level

Problem 3

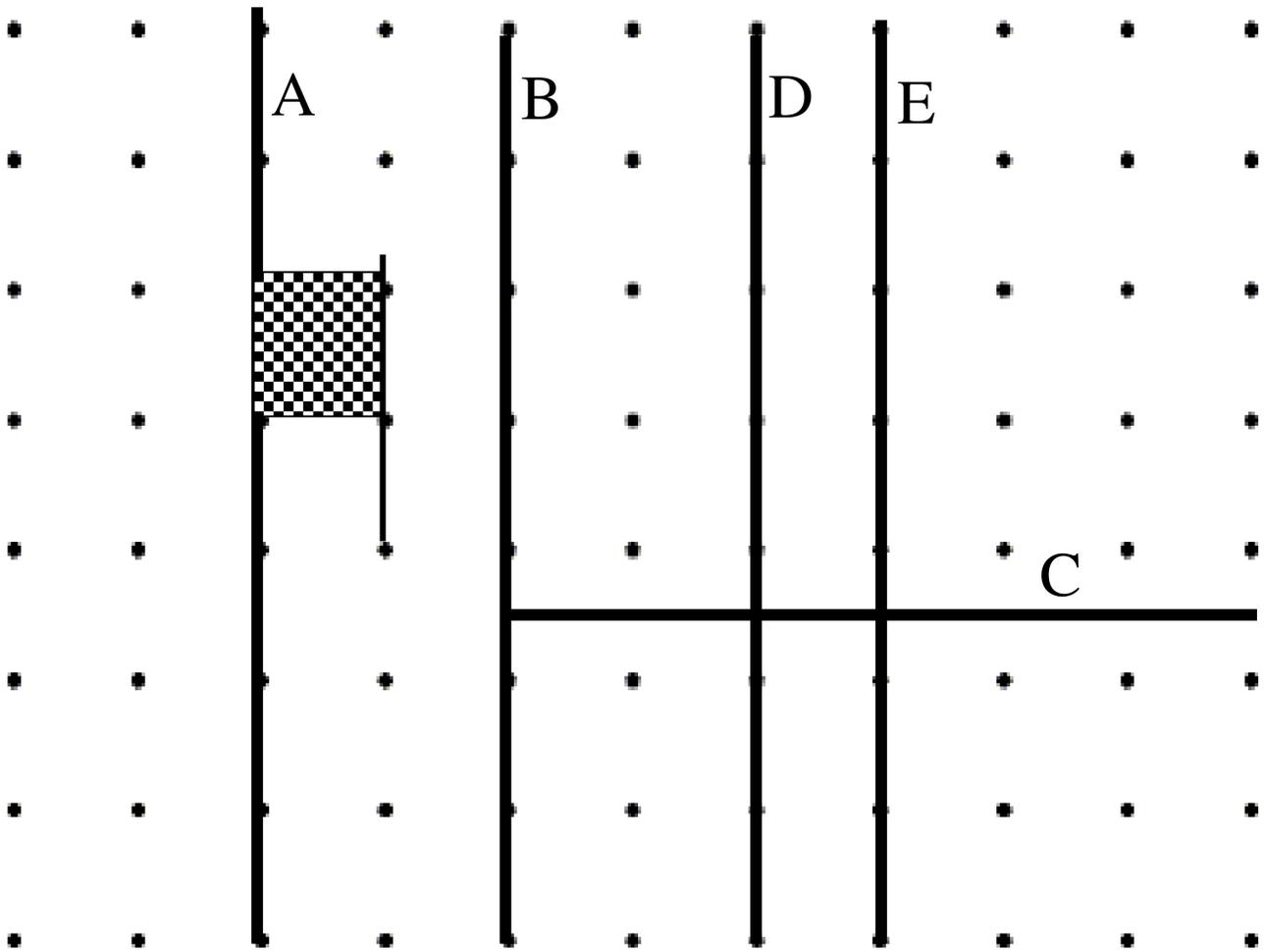
Rotate right 90 degrees on point A, then rotate 180 degrees on point B, Then flip on line C and line D. Draw all steps and shade in the final position of the flag.



Hard Level

Problem 4

Rotate right 90 degrees on point A, then translate on line B, Then rotate right 90 degrees on on point C. Then Flip on line D and line E. Draw all steps and shade in the final position of the flag.



Hard Level

Problem 5

Flip on line A, B, C, D, and E.

Draw all steps and shade in the final position of the flag.