

## VECTOR FIELDS - ANSWERS

Match each vector field below with the correct image on the following page.

1.  $F(x, y) = -y\hat{i} + x\hat{j}$       e

2.  $F(x, y) = -y\hat{i} - x\hat{j}$       f

3.  $F(x, y) = y\hat{i} - x\hat{j}$       d

4.  $F(x, y) = \hat{i} - x\hat{j}$       i

5.  $F(x, y) = x\hat{i} + y\hat{j}$       i

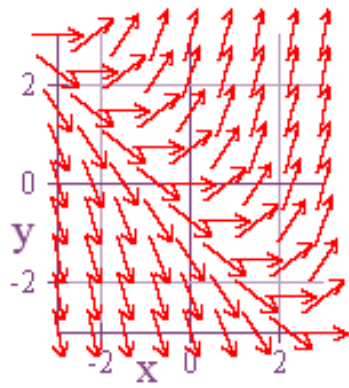
6.  $F(x, y) = -x\hat{i} - y\hat{j}$       h

7.  $F(x, y) = \hat{i} + (x + y)\hat{j}$       a

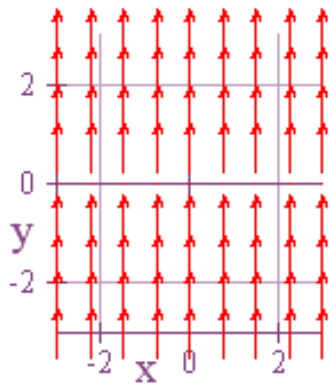
8.  $F(x, y) = |x|\hat{i}$       c

9.  $F(x, y) = |y|\hat{j}$       b

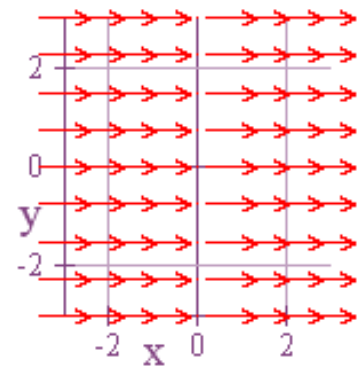
10.  $F(x, y) = -y\hat{i} + (x + y)\hat{j}$       g



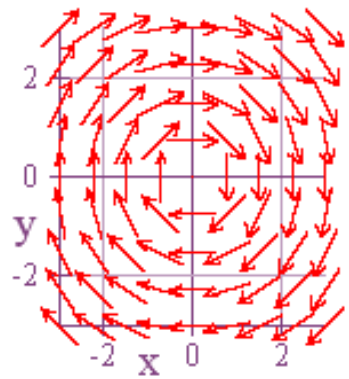
a.



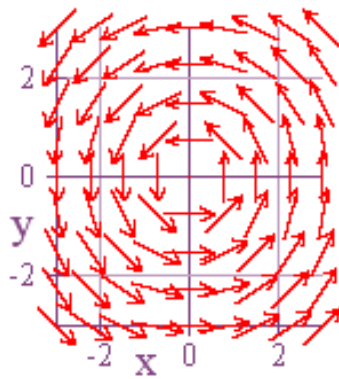
b.



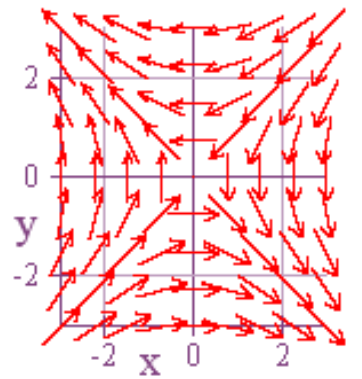
c.



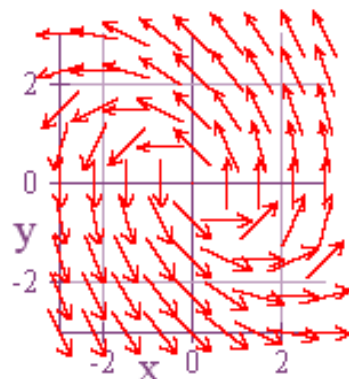
d.



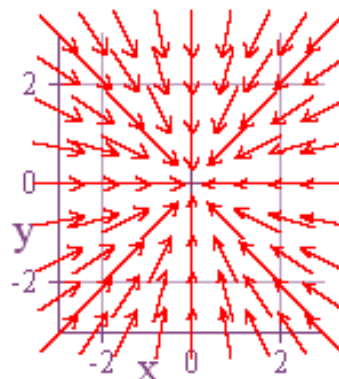
e.



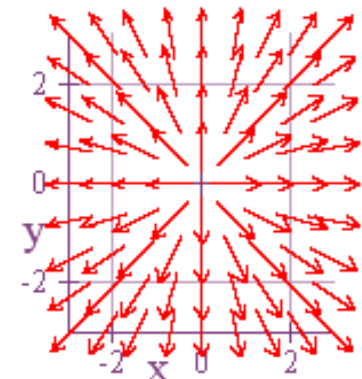
f.



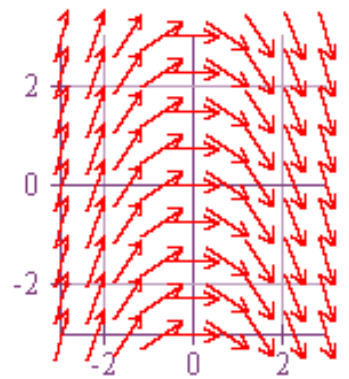
g.



h.



i.



j.