| Vectorfield | conservative | not conservative |
|---|---|---|
| $F(x,y) = (y, -x)$ | | |
| $F(x,y) = (y, x)$ | | |
| $F(x,y) = (x, y)$ | | |
| $F(x,y) = (-x, y)$ | | |
| $F(x,y) = (x, 0)$ | | |
| $F(x,y) = (0, y)$ | | |
| $F(x,y) = (-y/(x^2 + y^2), x/(x^2 + y^2))$ | | |
| $F(x,y) = (x^2, y^2)$ | | |

1


2


3


4


5


6


7


8