



## Question

Which of the fields shown are gradient vector fields in the plane?

$$\vec{F} = x\vec{i} + y\vec{j} \quad \vec{G} = y\vec{i} \quad \vec{H} = \vec{i}$$

- A.  $\vec{F}$  only
- B.  $\vec{F}$  and  $\vec{H}$  only
- C.  $\vec{G}$  only
- D. All of these
- E. None of these