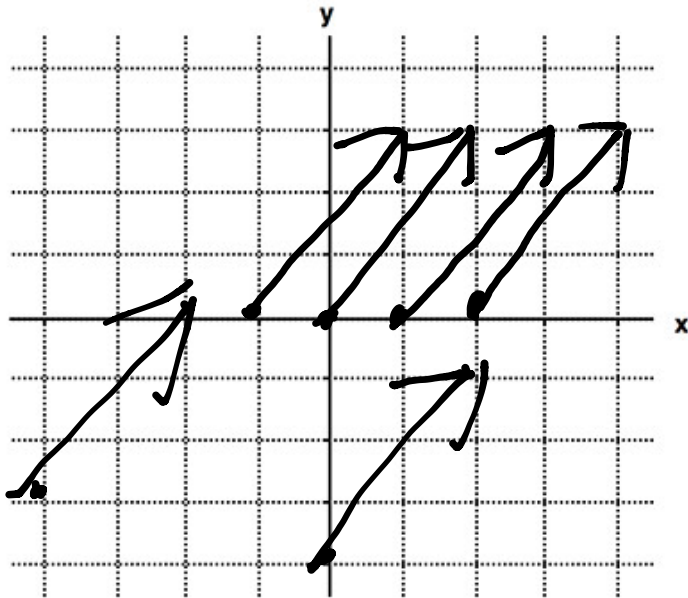


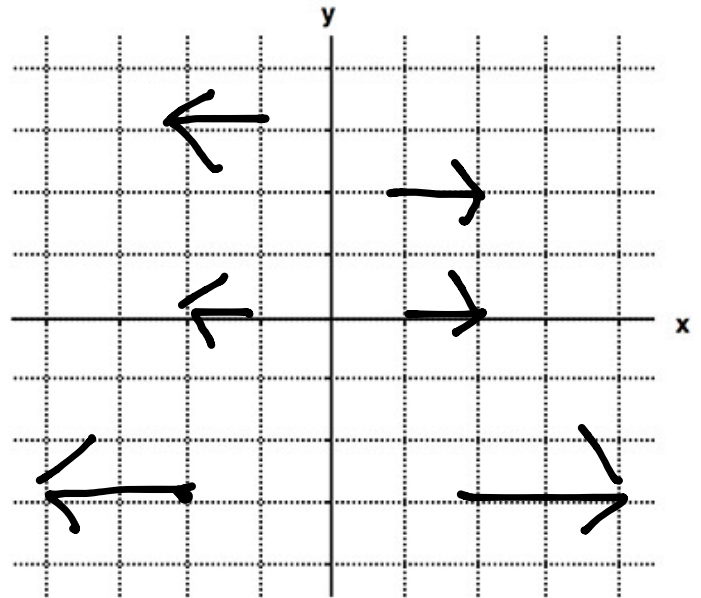
## [6.1] Sketching vector fields

Sketch each of the following vector fields.

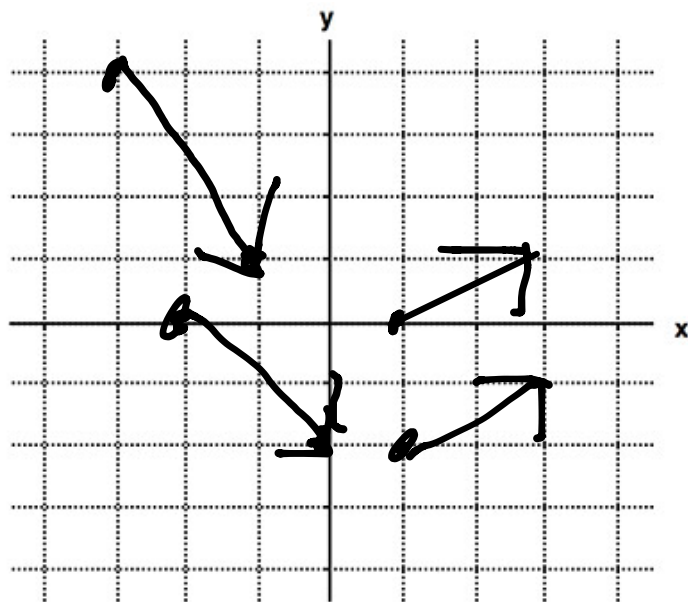
$$\vec{F}(x, y) = 2 \hat{i} + 3 \hat{j}$$



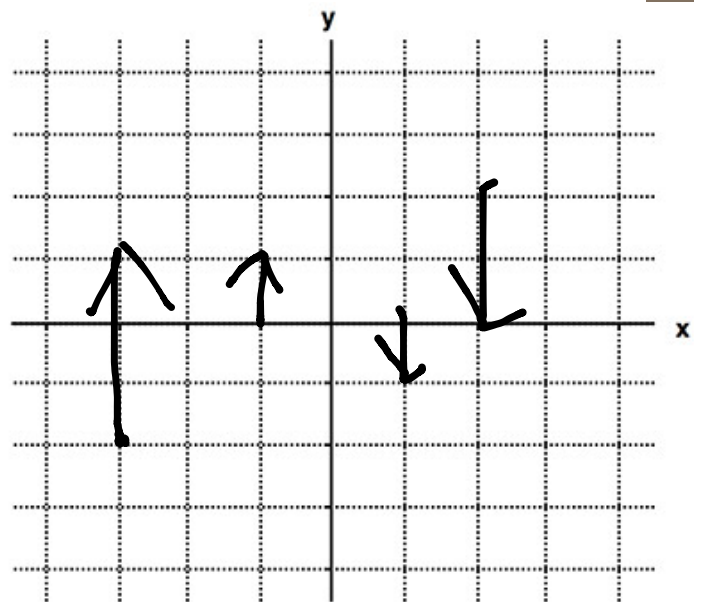
$$\vec{F}(x, y) = x \hat{i}$$



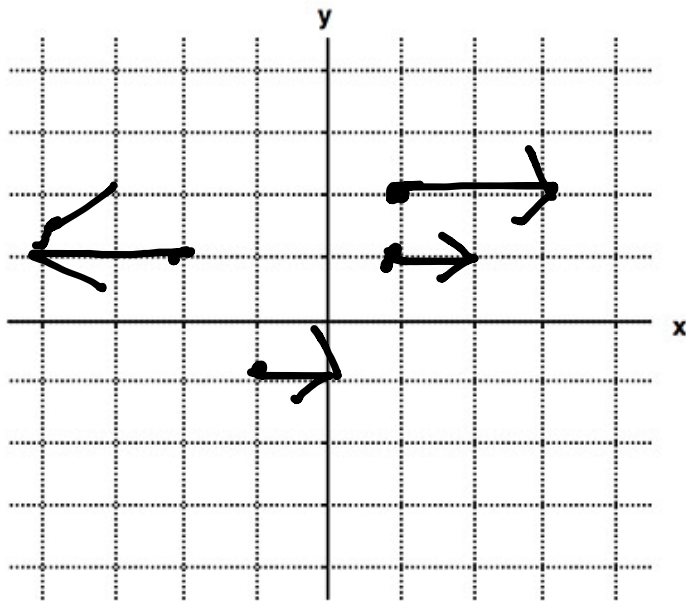
$$\vec{F}(x, y) = 2 \hat{i} + x \hat{j}$$



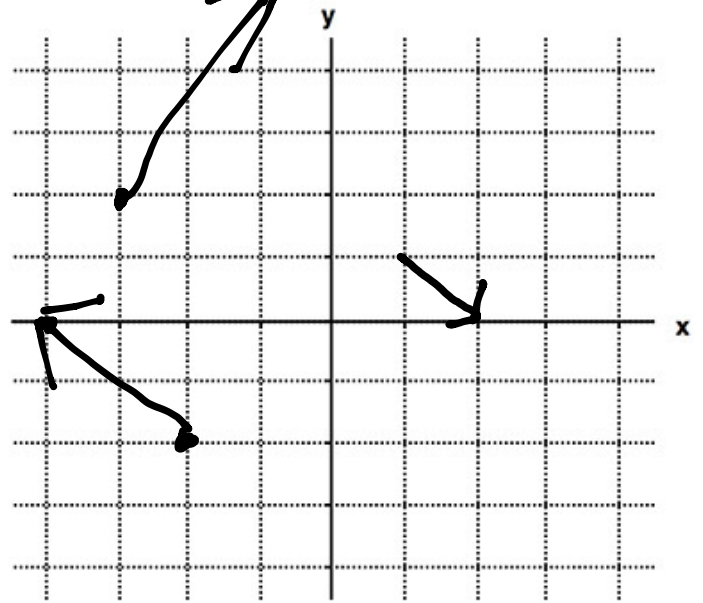
$$\vec{F}(x, y) = -x \hat{j}$$



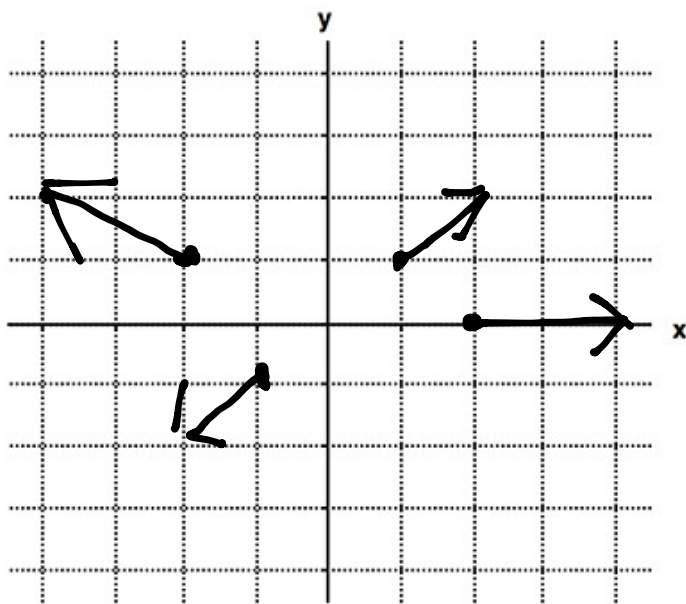
$$\vec{F}(x, y) = xy \hat{i} + 0 \hat{j}$$



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



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



$$\vec{F}(x, y) = 2 \hat{i}$$

