

## Exercise 14

Match the vector fields  $\mathbf{F}$  with the plots labeled I–IV. Give reasons for your choices.

$$\mathbf{F}(x, y) = \langle \cos(x + y), x \rangle$$

[TYPO: This should be in bold.]

### Solution

This vector field corresponds with plot II. The vectors point upward when  $x$  is positive and point downward when  $x$  is negative.

