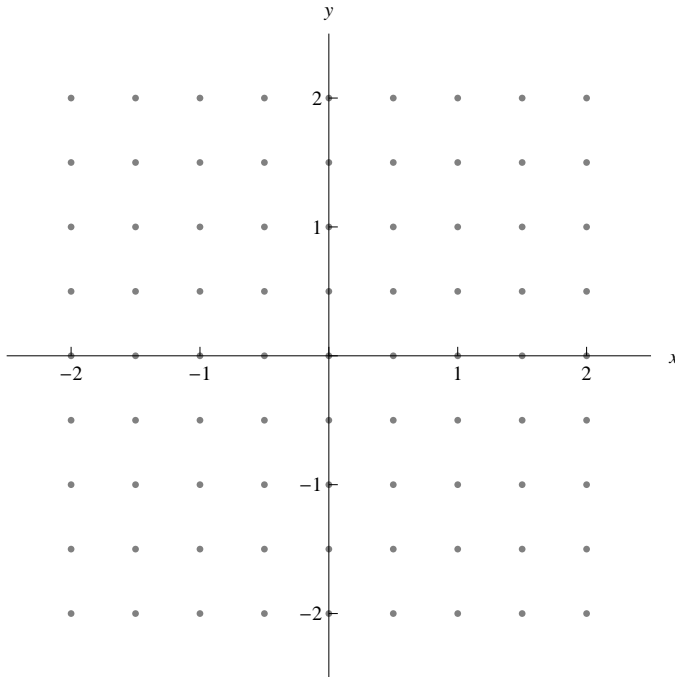


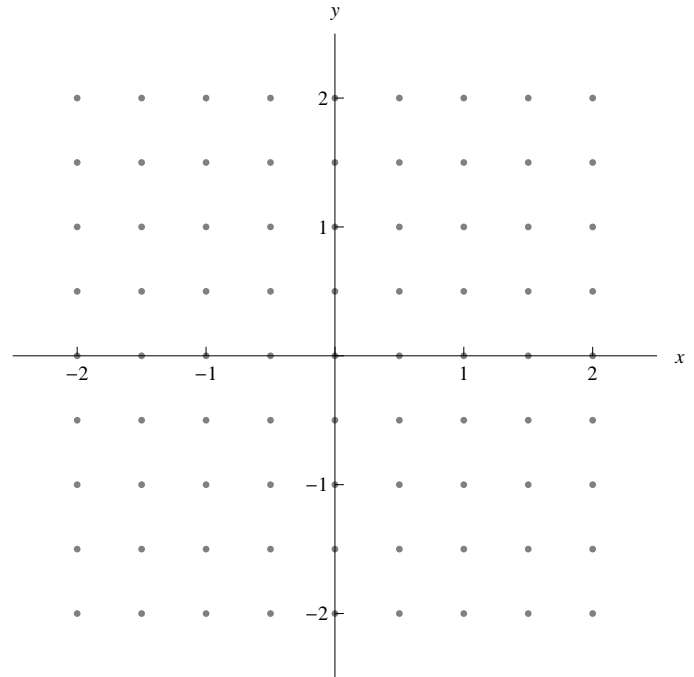
**Vector field plots**

For each of the following, use the given grid to sketch the given vector field  $\vec{F}$  for the region with  $-2 \leq x \leq 2$  and  $-2 \leq y \leq 2$ . Plot an output for each of the points provided on the grid.

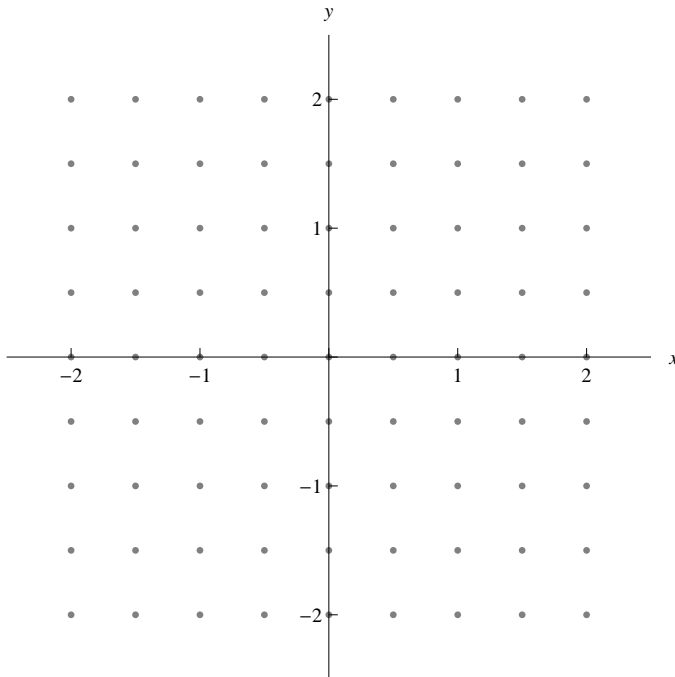
1.  $\vec{F} = x\hat{i} + 0\hat{j}$



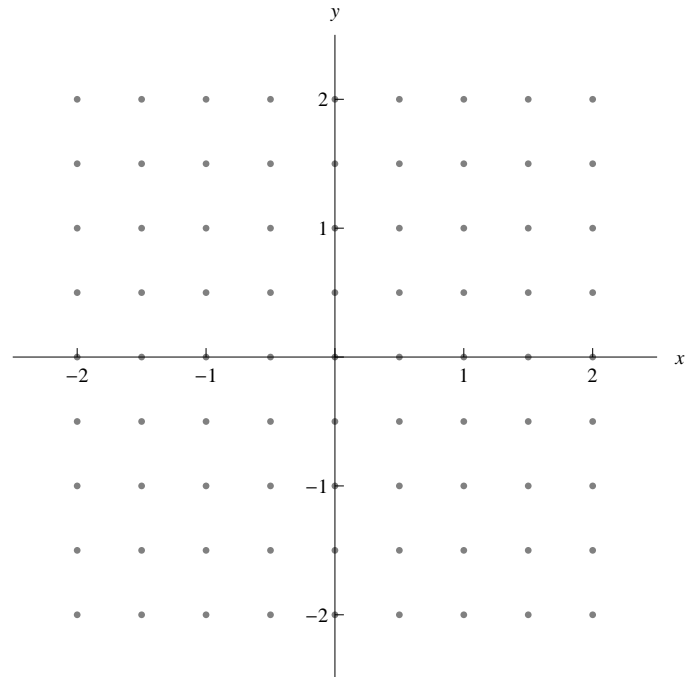
2.  $\vec{F} = y\hat{i} + 0\hat{j}$



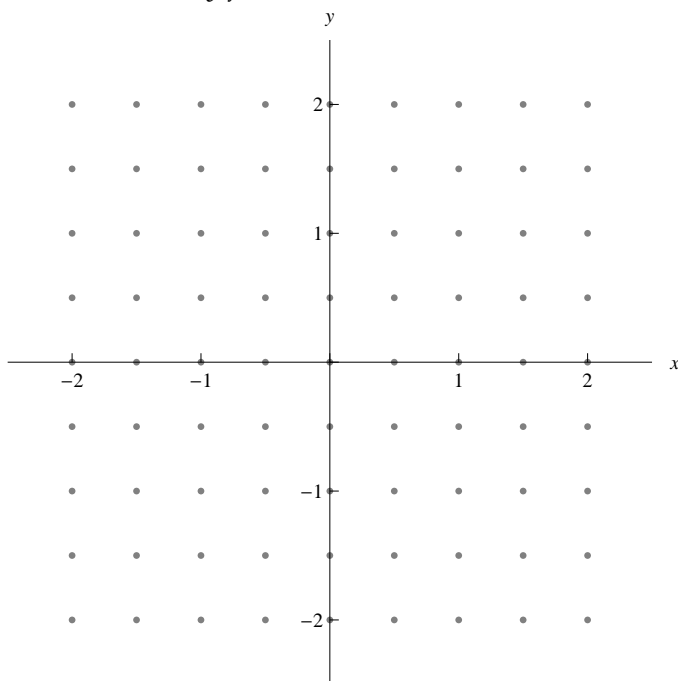
3.  $\vec{F} = 0\hat{i} + x\hat{j}$



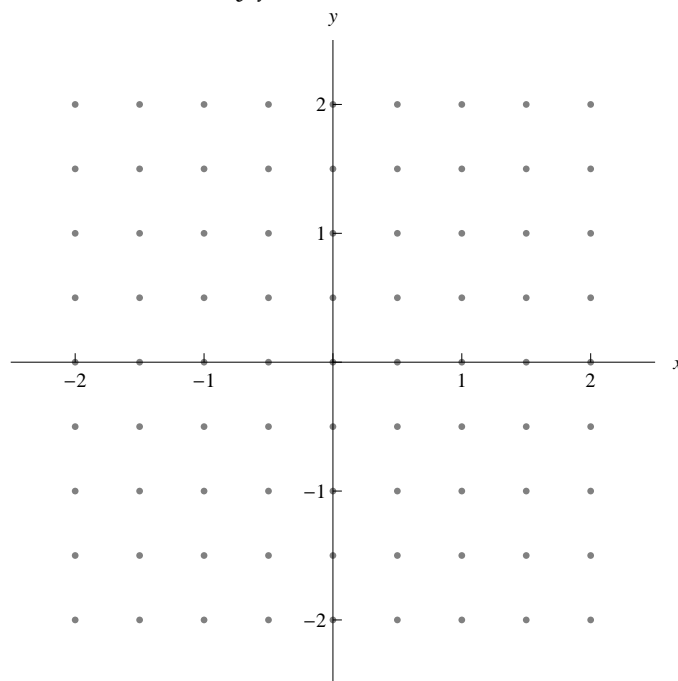
4.  $\vec{F} = 0\hat{i} + y\hat{j}$



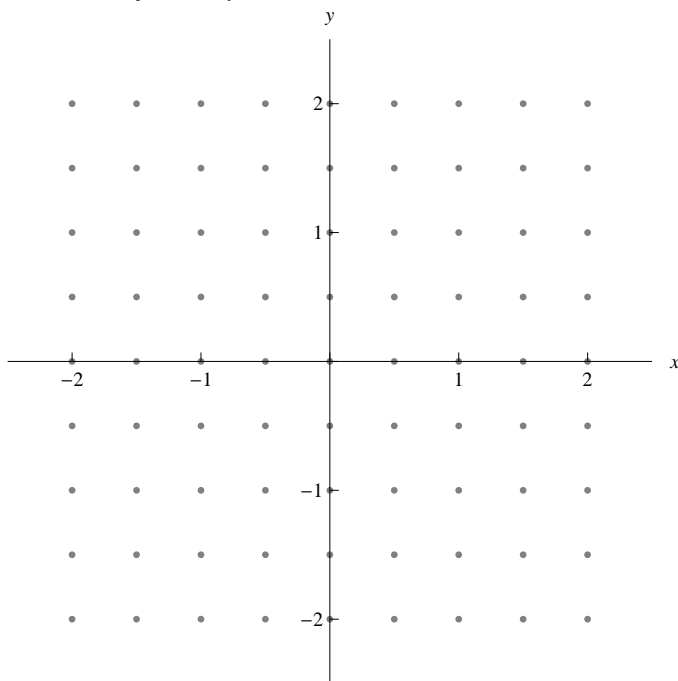
5.  $\vec{F} = x\hat{i} + y\hat{j}$



6.  $\vec{F} = -x\hat{i} - y\hat{j}$



7.  $\vec{F} = y\hat{i} - x\hat{j}$



8.  $\vec{F} = -y\hat{i} + x\hat{j}$

