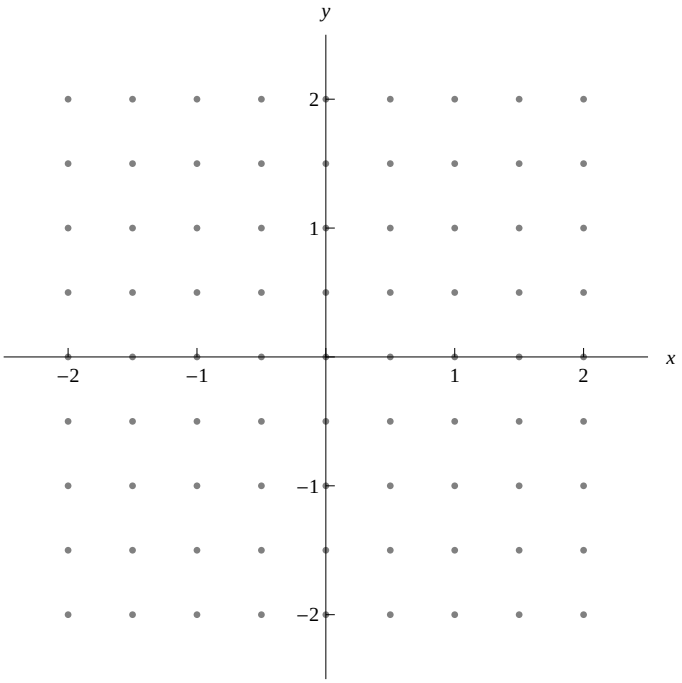
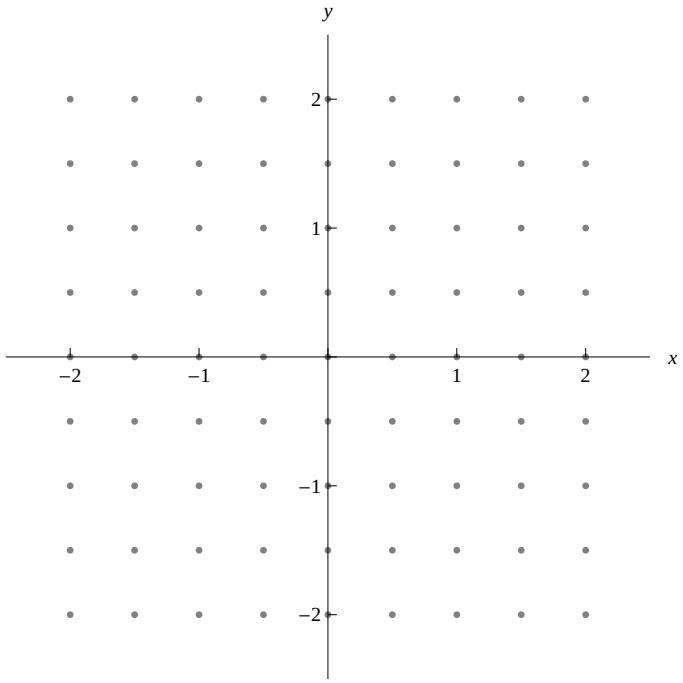
Vector field plots

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.

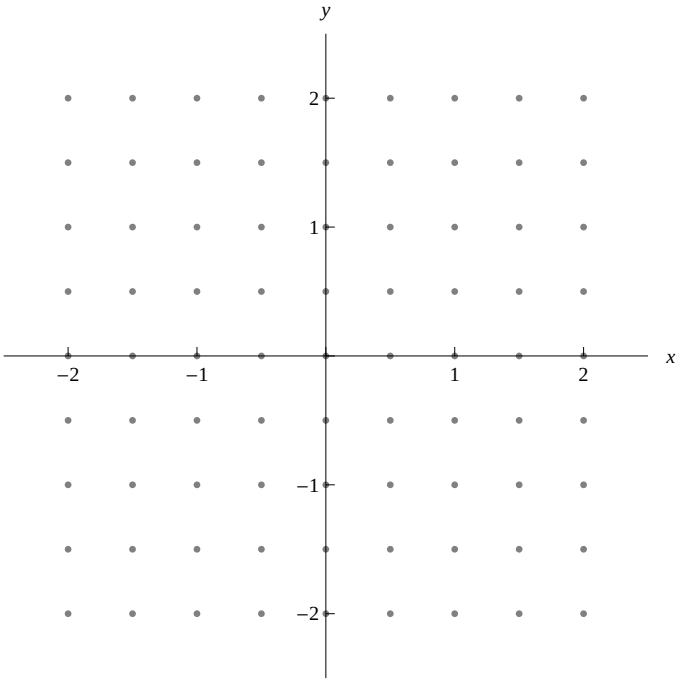
1. $\vec{F} = x\,\hat{\imath} + 0\,\hat{\jmath}$



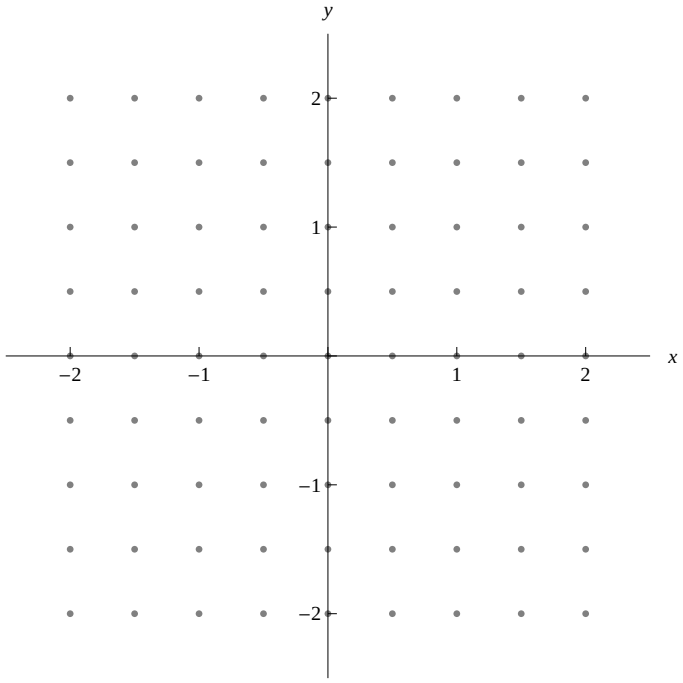
2. $\vec{F} = y\,\hat{\imath} + 0\,\hat{\jmath}$



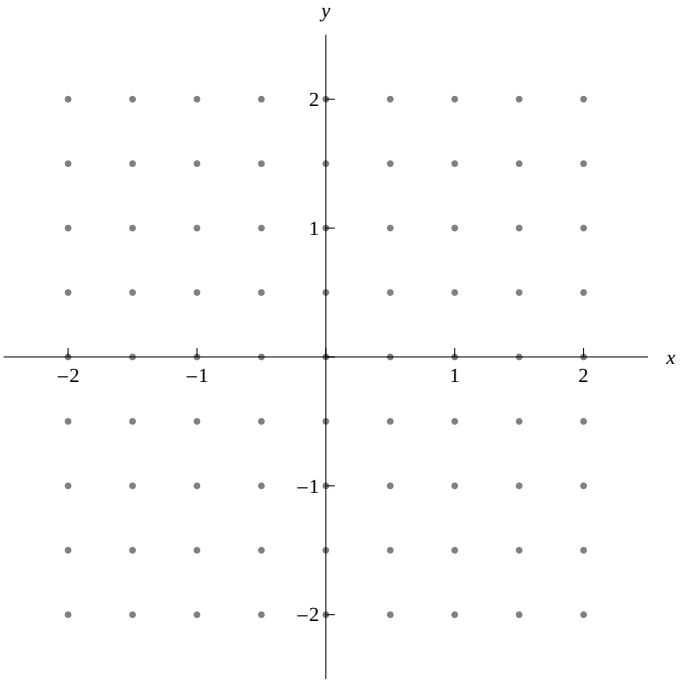
3. $\vec{F} = 0\,\hat{\imath} + x\,\hat{\jmath}$



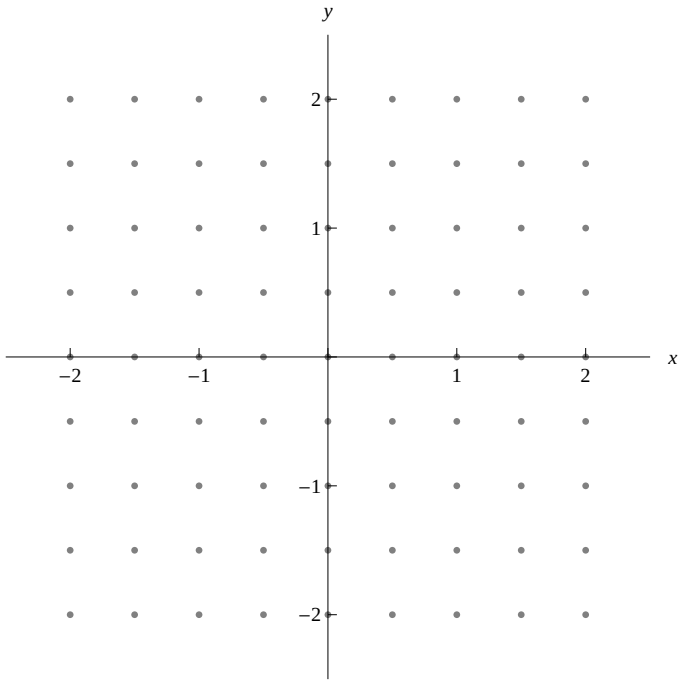
4. $\vec{F} = 0\,\hat{\imath} + y\,\hat{\jmath}$



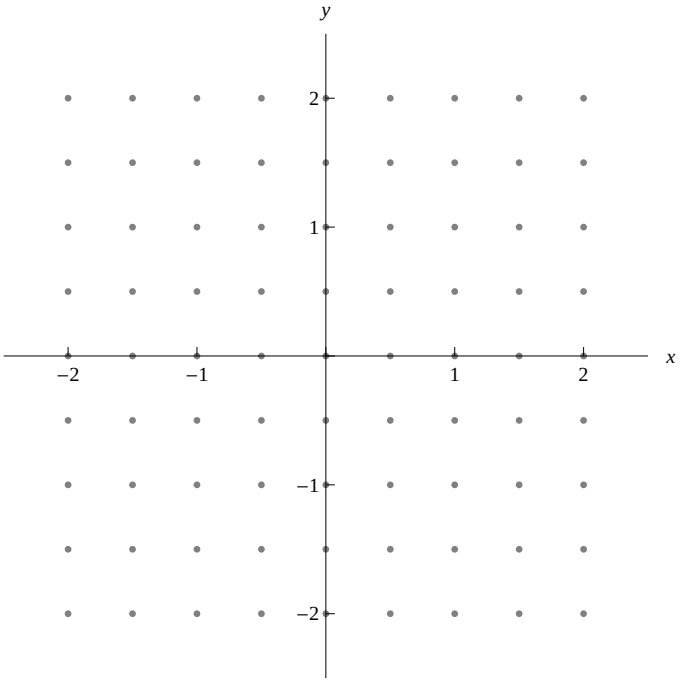
5. $\vec{F} = x\,\hat{\imath} + y\,\hat{\jmath}$



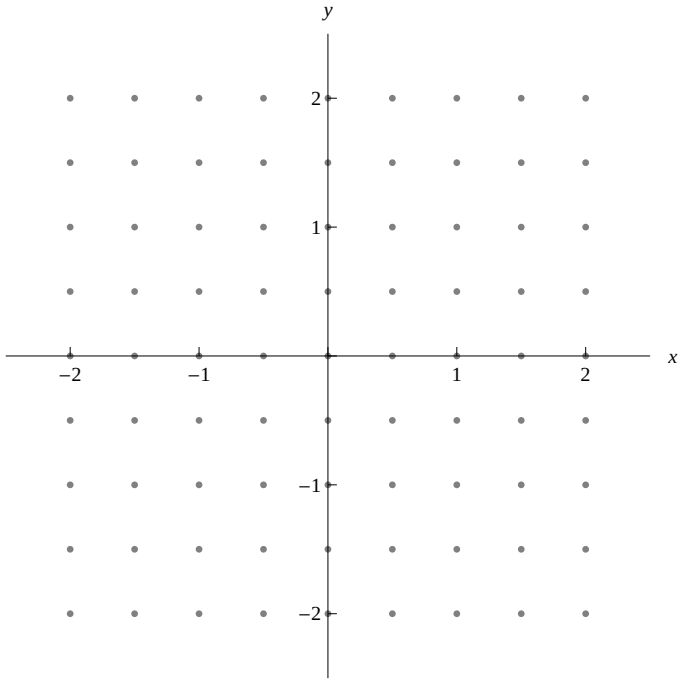
6. $\vec{F} = -x\,\hat{\imath} - y\,\hat{\jmath}$



7. $\vec{F} = y\,\hat{\imath} - x\,\hat{\jmath}$

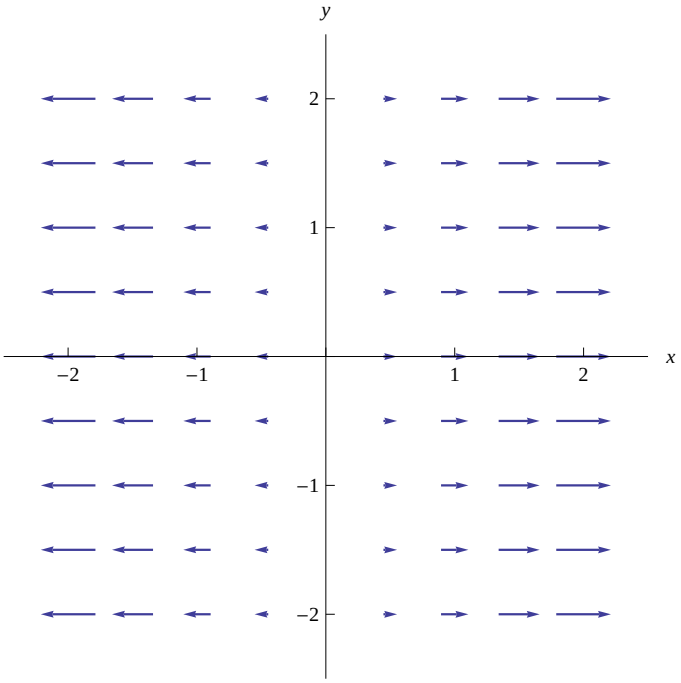


8. $\vec{F} = -y\,\hat{\imath} + x\,\hat{\jmath}$

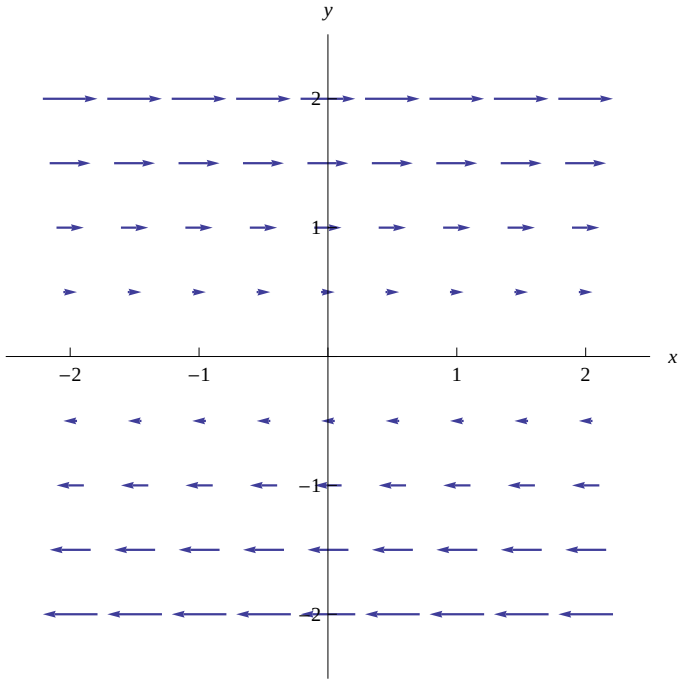


Vector field plots: completed

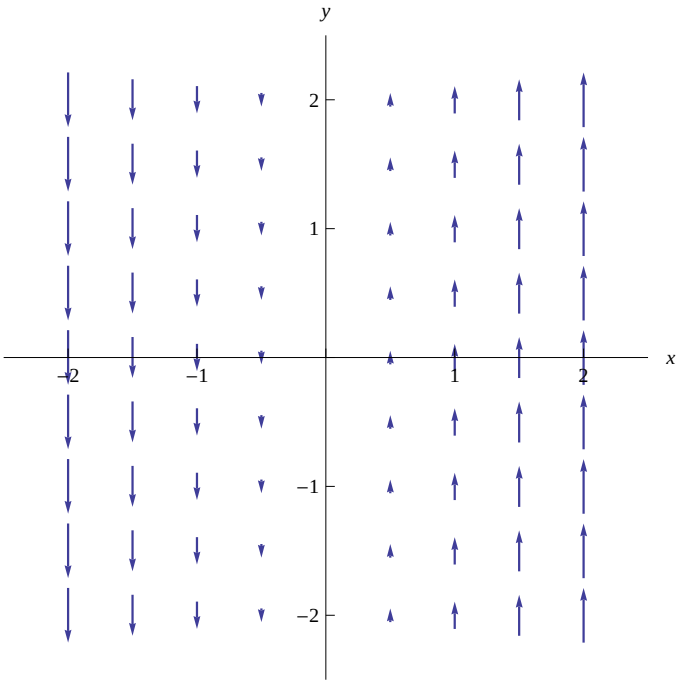
1. $\vec{F} = x\,\hat{\imath} + 0\,\hat{\jmath}$



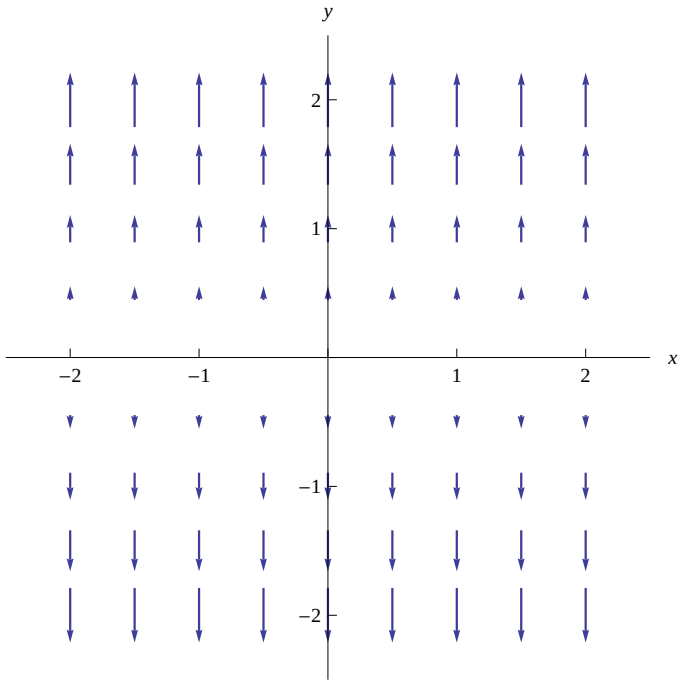
2. $\vec{F} = y\,\hat{\imath} + 0\,\hat{\jmath}$



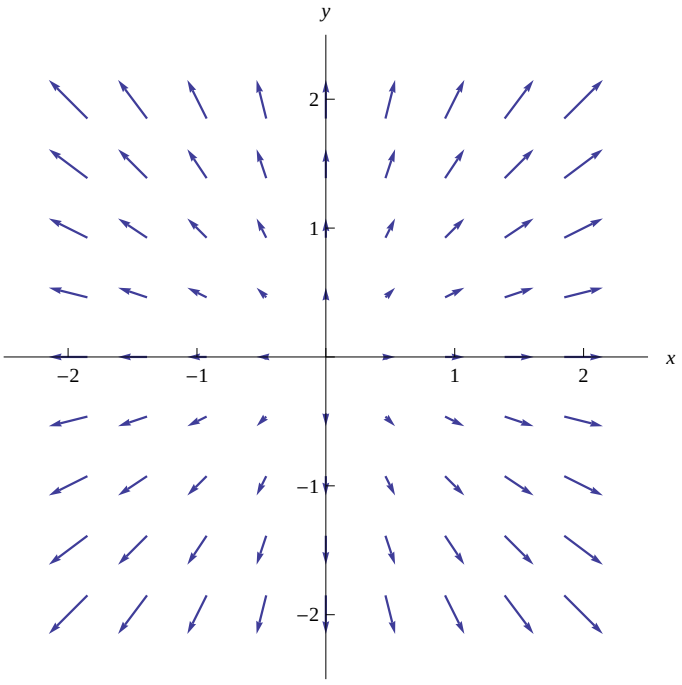
3. $\vec{F} = 0\,\hat{\imath} + x\,\hat{\jmath}$



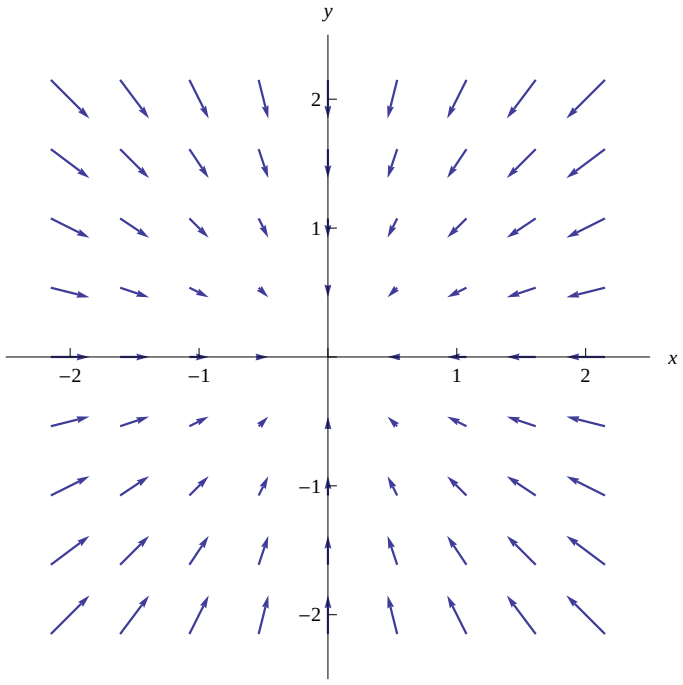
4. $\vec{F} = 0\,\hat{\imath} + y\,\hat{\jmath}$



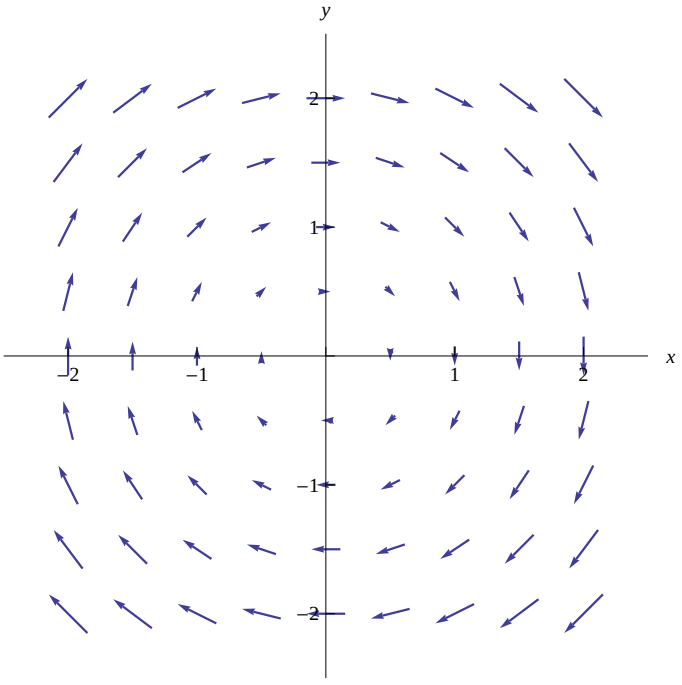
5. $\vec{F} = x\,\hat{\imath} + y\,\hat{\jmath}$



6. $\vec{F} = -x\,\hat{\imath} - y\,\hat{\jmath}$



7. $\vec{F} = y\,\hat{\imath} - x\,\hat{\jmath}$



8. $\vec{F} = -y\,\hat{\imath} + x\,\hat{\jmath}$