Do Now: Regression of bivariate data Name:

The flash rate of fireflies depends on various factors, including temperature. As the temperature drops, the flash rate slows down.

Firefly field data (simulated) where T is the temperature and $f(T)$ is the number of seconds between flashes.

T	54	60	64	70	75
$f(T)$	5	8	10	11	13

1. Plot the data in the table on the grid below
   (one point is plotted for you)
2. Calculate $\bar{x}$ and $\bar{y}$ and mark it with a small circle on the graph.
3. Write down the correlation and characterize it.
4. Model the flash period for a temperature of $68°F$