2 Center of mass II

Based on the coordinate system, obtain the Center of mass in the x and y direction of the following shaded area using the following definition:

\[
\bar{x} = \frac{\int \int x
dy\,dx}{\int \int dy\,dx} \quad \text{and} \quad \bar{y} = \frac{\int \int y
dy\,dx}{\int \int dy\,dx}
\]