Create Equivalent Fractions to Subtract Unlike Fractions

Solve the following problems. Use rectangular fraction models to show how to convert to fractions with a common denominator.

\[
a) \frac{4}{6} - \frac{1}{3} \quad b) \frac{3}{4} - \frac{2}{8} \quad c) \frac{3}{5} - \frac{2}{3} \quad d) \frac{1}{3} - \frac{1}{4} \quad e) \frac{5}{6} - \frac{1}{4}
\]

Example: \( \frac{1}{2} - \frac{1}{3} \)

1. Rename one or both fractions so that the units are the same. Think of a way to partition the rectangles into the same number of pieces.

\[
\begin{align*}
\text{I know that } & \frac{1}{2} = \frac{3}{6} & \frac{1}{2} &= \frac{3}{6} \\
\text{I know that } & \frac{1}{3} = \frac{2}{6} & \frac{1}{3} &= \frac{2}{6}
\end{align*}
\]

2. Find the difference. Simplify if possible.

\[
\frac{3}{6} - \frac{2}{6} = \frac{1}{6}
\]