\[2x + 7y = -20\]
\[-3x + y = 7\]

\[y = \frac{3x + 7}{3x + 7}\]

\[2x + 7 \left( \frac{3x + 7}{3x + 7} \right) = -20\]

\[2x + 21x + 49 = -20\]

\[23x + 49 = -49\]

\[23x = -98\]

\[x = \frac{-98}{23}\]

\[x + 7y = -23\]

\[-5x - y = -21\]

1. Solve for either \(x\) or \(y\).
2. Plug that expression in to the OTHER equation.
3. Solve
4. Plug answer in to solve for other variable
5. Check answer!