Solve the following equations:

\[
\begin{align*}
7x - 4y &= -7 \\
5x + y &= 22 \\
-x - y &= -9 \\
6x + 7y &= -9 \\
9x - 2y &= -21 \\
2x + 3y &= 16
\end{align*}
\]
Answers

\[ x = 3 \quad \text{and} \quad x = 7 \]
\[ y = 7 \quad \text{and} \quad y = -4 \]

\[ x = 6 \quad \text{and} \quad x = 4 \]
\[ y = 2 \quad \text{and} \quad y = -9 \]

\[ x = 1 \quad \text{and} \quad x = -9 \]
\[ y = 8 \quad \text{and} \quad y = -5 \]

\[ x = -5 \quad \text{and} \quad x = 2 \]
\[ y = 3 \quad \text{and} \quad y = -7 \]

\[ x = -1 \quad \text{and} \quad x = -8 \]
\[ y = 6 \quad \text{and} \quad y = 5 \]