Which of these would you keep? $x$ or $y$ ?

$$
\begin{gathered}
5 x+2 y=82 \\
5 x-12 y=13 \\
7 x+3 y=25 \\
3 y-3 x=11 \\
\\
9 x-8 y=7 \\
9 x+6 y=34
\end{gathered}
$$

Solve these equations

$$
\begin{gathered}
7 x=28 \\
6 x+8=56 \\
5 x+3(8)=89 \\
9 x-6(5)=33
\end{gathered}
$$

Multiply each term in these equations by 5 .

$$
7 x+3 y=25
$$

$$
9 x-8 y=7
$$

Find the value of $x$ when $y=6$.

$$
\begin{aligned}
& 5 x+2 y=82 \\
& 3 y-3 x=11 \\
& 9 x+6 y=34
\end{aligned}
$$

