5.8 Systems of Equations in Geometry

What is Systems of Equations 2 or indore equations that are being compared soultion= are a shaved set of value

$$
\begin{aligned}
& m=3 n+5 \quad a=3(1)+5=8 \\
& m=-2 n+10 \quad m=-2(1)+10=8 \\
& 3 n+5=-2 n+10 \quad n \quad n=1, m=8 \\
& -5 \quad-5 \quad \\
& 3 n=-2 n+5 \\
& +2 n+2 n \\
& \frac{5 n}{5}=\frac{5}{5} \\
& n=1
\end{aligned}
$$

$y=3 x \backsim$ substitute $3 x$ for $y$

$$
\left.\begin{array}{rl}
2 x+y=10 \rightarrow 2 x+3 x=10 & y=3 x \\
5 x=\frac{10}{5} \quad y & =3(2) \\
x-2 & y
\end{array}\right)
$$

