Notes from Teacher Instruction


## Solution

value that makes an equation, a system of equations, or an inequality true


$$
\begin{aligned}
5-3 x & =-7 \\
5-3(4) & =-7 \\
5-12 & =-7 \\
-7 & =-7
\end{aligned}
$$

8.EE.C.7a

Equation is true only when $x=4$. MidSchoolMath

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## No Solution

when there are no values that make an equation, a system of equations or an inequality true

$$
\begin{array}{r}
-2 x+1 /=3-2 x \\
\not-1-1 \\
\hline-2 x=2-2 x \\
+2 x
\end{array} \quad+2 x .
$$

$0 \neq 2$
No solution
Equation is never true,
8.EE.C.7a no matter the value of $x$.

