Name:	Date:	Period:
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Sec 1H Unit 4 Day 2 - What is Substitution? Classwork

1. Find the value of each shape so that they will add up to give you the specified sums in each row AND each column.



4. Find the value of each shape so that they will add up to give you the specified sums in each row AND each column.

\triangle	\triangle	0	Row sum = 42
0			Row sum = 18
\bigtriangleup			Row sum = 27
0		\bigtriangleup	Row sum = 30
Column sum = 50	Column sum = 32	Column sum = 35	

By looking at the leftmost column, what conclusion can you draw about the sum of \bigwedge and \bigcap ?

How does that help you figure out the rest of the puzzle?







8. Find the value of each shape in the system of equations.



9. Find the value of each shape in the system of equations.

$$\begin{cases} 2 \checkmark + 3 \blacksquare = 22 \\ \blacksquare = 3 \checkmark \end{cases}$$

Use what you have learned to solve the following problems:

10.
$$\begin{cases} 2x + 3y = 21 \\ x = y - 2 \end{cases}$$
 11.
$$\begin{cases} 4x - 2y = 8 \\ y = 3x - 2 \end{cases}$$
 12.
$$\begin{cases} y = 4x - 1 \\ y = 2x + 5 \end{cases}$$