Name_____ ID: 1

Math 9

Date_____ Period____

Rearranging Equations $y = \frac{\Delta y}{\Delta x} x \pm \#$

Rearrange each equation for "y", then complete the table of values

1) $x + \boxed{y} = -5$

$y = -5 - x$

$y = -\frac{1}{1}x - 5$

$\boxed{y = -x - 5}$

$\Delta x = \frac{1}{}$ $\Delta y = \frac{-1}{}$

x	y
+1 (-2	-3)-1
+1 (-1	-4)-1
+1 (0	-5)-1
+1 (1	-6)-1
2	-7

Sub $x = \underline{0}$) $x = \underline{1}$

$y = -(x) - 5$ $y = -(x) - 5$
$y = -(0) - 5$ $y = -(1) - 5$
$y = 0 - 5$ $y = -1 - 5$
$y = -5$ $y = -6$

2) $9x - y = 1$

$\Delta x = \underline{\ }$ $\Delta y = \underline{\ }$

x	y
—	—
—	—
0	—
—	—
—	—

Sub $x = \underline{\ }$, $x = \underline{\ }$

3) ⟳ $13x + 4y = 24$

$\Delta x = \underline{\ }$ $\Delta y = \underline{\ }$

x	y
—	—
—	—
0	—
—	—
—	—

Sub $x = \underline{\ }$ $x = \underline{\ }$

4) ⟳ $x + 2y = -6$

$\Delta x = \underline{\ }$ $\Delta y = \underline{\ }$

x	y
—	—
—	—
0	—
—	—
—	—

Sub $x = \underline{\ }$ $x = \underline{\ }$

5) ⟳ $10x - 7y = 35$

$\Delta x = \underline{\ }$ $\Delta y = \underline{\ }$

x	y
—	—
—	—
0	—
—	—
—	—

Sub $x = \underline{\ }$ $x = \underline{\ }$

6) $x + 5y = 10$

$\Delta x = \underline{\ }$ $\Delta y = \underline{\ }$

x	y
—	—
—	—
0	—
—	—
—	—

Sub $x = \underline{\ }$ $x = \underline{\ }$

-1-

7) $x + 7y = -35$

$\Delta x = \_$ $\Delta y = \_$

X	y
_	_
_	_
O	_
_	_
_	_

Sub
$x = \_$ $x = \_$

8) $4x + 7y = -21$

x	y
_	_
_	_
O	_
_	_

Sub
$x = \_$ $x = \_$

9) $6x + y = -43$

$\Delta x = \_$ $\Delta y = \_$

X	y
_	_
_	_
O	_
_	_

Sub
$x = \_$ $x = \_$

10) $x - 2y = -2$

$\Delta x = \_$ $\Delta y = \_$

X	y
_	_
_	_
O	_
_	_

Sub
$x = \_$ $x = \_$

11) $5x - 2y = -6$

$\Delta x = \_$ $\Delta y = \_$

X	y
_	_
_	_
O	_
_	_

Sub
$x = \_$ $x = \_$

12) $3x + 5y = 10$

$\Delta x = \_$ $\Delta y = \_$

X	y
_	_
_	_
O	_
_	_

Sub
$x = \_$ $x = \_$