Warm Up 10/17/18

1. Complete the following chart:

Method	Use when...
Graphing	Both equations in slope-intercept form
Substitution	Have a variable by itself
Elimination:	
Addition	Opposite terms
Subtraction	identical terms
Multiplication	when there isn't opposites or identical terms

Graphing:

$y=-2x+5$

$y=\frac{1}{2}x-4$

Substitution:

$x=4y-3$

$2x+5y=-7$

Elimination

ADD

$12x+4y=17$

$-12x+3y=20$

Subtraction

$5x-4y=21$

$5x+10y=37$

Multiplication

$2(3x-14y=62)$

$-6x+5y=105$

2. Write the equation of a line that is parallel (same slope) to y= 1/2x - 10 that passes through (8,-4)

$m=\frac{1}{2}$ (8,-4)

$y+4=\frac{1}{2}(x-8)$

$y+4=\frac{1}{2}x-4$

$-4 \quad -4$

$y=\frac{1}{2}x-8$

Continue with the Triples Activity for Solving Systems of Equations