Warm-up 11/4

Solve the following systems of equations

1.
$$x = 2$$

 $y = 6x - 11$

2.
$$2x - 3y = -1$$

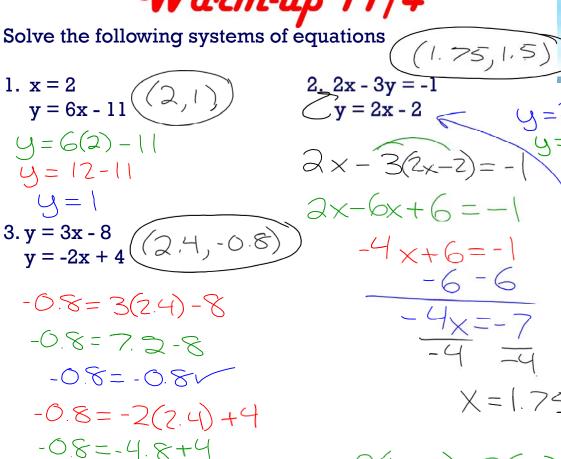
 $y = 2x - 2$



3.
$$y = 3x - 8$$

 $y = -2x + 4$

Warm-up 11/4



-0.8=-0.8

2.
$$2x - 3y = -1$$

 $2y = 2x - 2$
 $3(2x - 2) = -1$
 $3(2x - 2) =$

			Hybrid	Non-Hybrid
	Car Cost		\$30,000	\$24,000
	Insurance		\$1,000 per year	\$800 per year
	Maintenance		\$700 per year	\$550 per year
\setminus	MPG	1.	30 mpg	20 mpg
	MPY		12,000 miles/year	12,000 miles/year
	Gas Price		\$2.15 per gallon	\$2.15 per gallon

25 mpg 100 miles Gas#2.15

12,000 mi

12,000 m

100mi = 4g

\$ = 860/ /year 600gal \$7.15/ga/

Sir-grid g

$$y = mx + b$$

$$cost per$$

$$gear$$

$$(gas, ins., maint.)$$

$$Hybrid$$

$$y=mx +30,000$$

$$y=mx +24,000$$

$$y=2560x +30,000$$

$$y=2540x +24,000$$