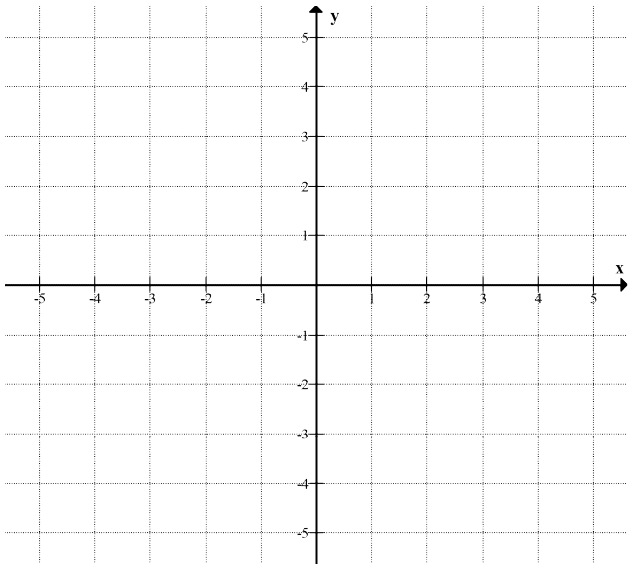
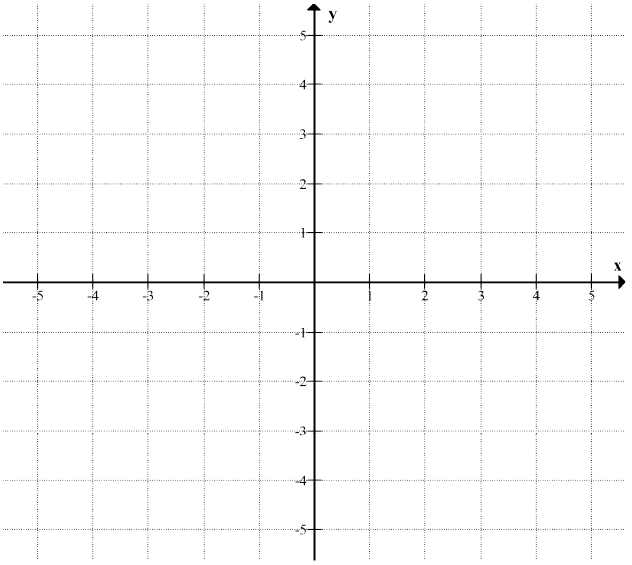
M10 - 9.1 - Substitution HW

Solve by Substitution

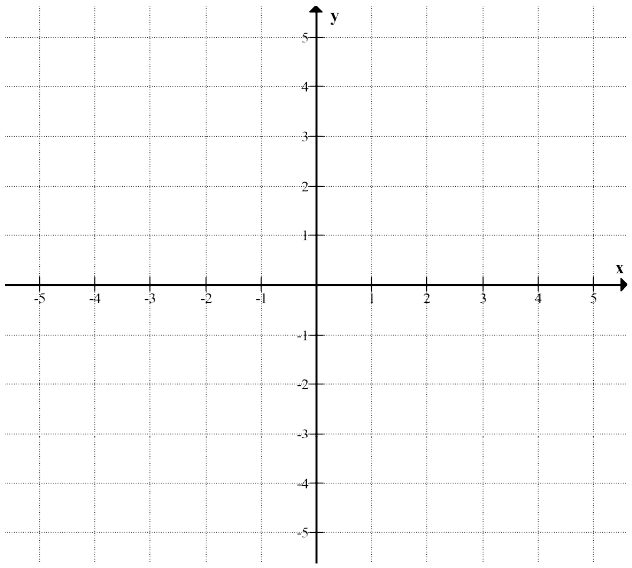
$y = x + 2$ $y = 2x$



$y = -x + 2$ $y = 3x - 2$



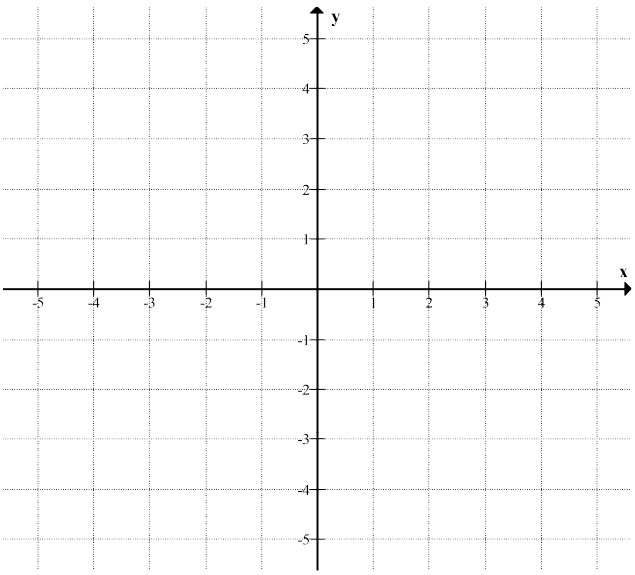
$y = -2x + 3$ $y = x - 3$



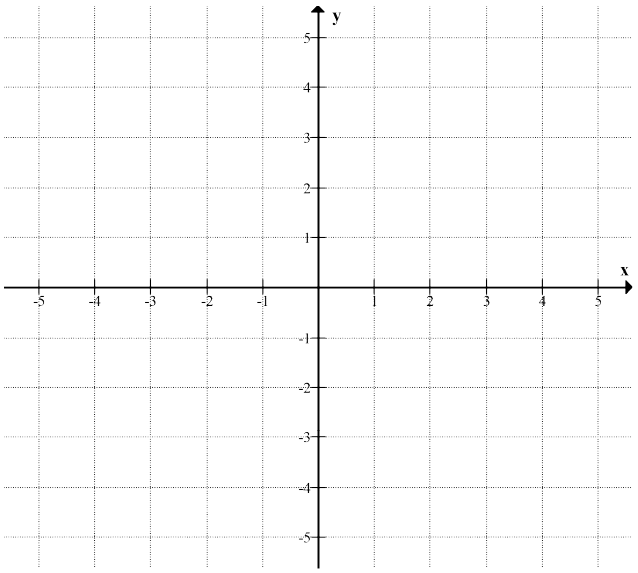
M10 - 9.1 - Substitution HW

Solve by Substitution

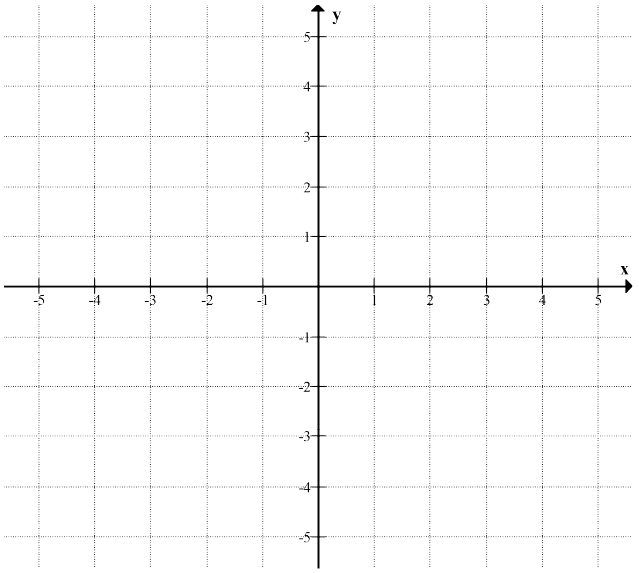
$y = x + 2$ $x + y = 4$



$x = y - 1$ $y - 2x = 4$



$y = 2x + 1$ $x - y = -2$

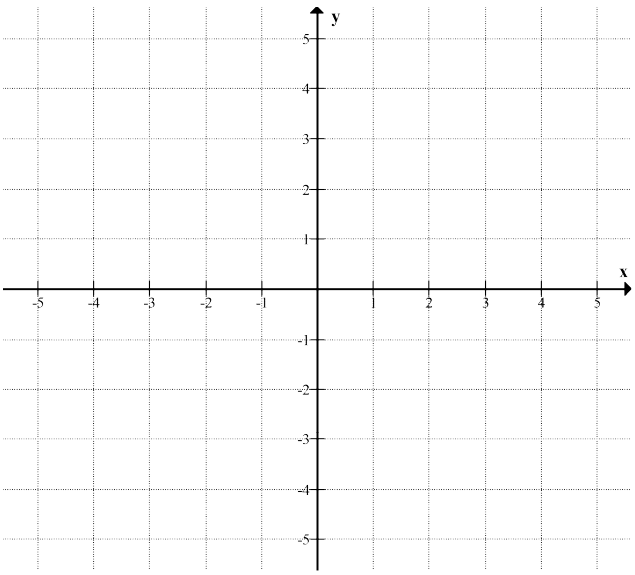


M10 - 9.2 - Isolate Substitution HW

Solve by Substitution

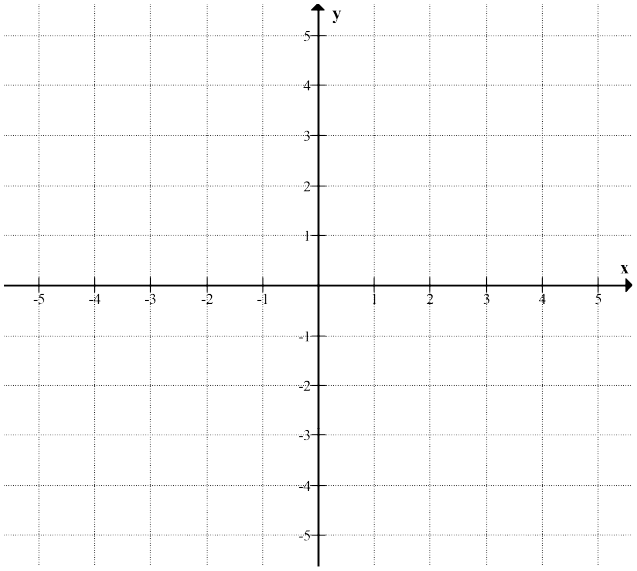
$x + y = 2$

$y - x = 4$



$2x + y = 3$

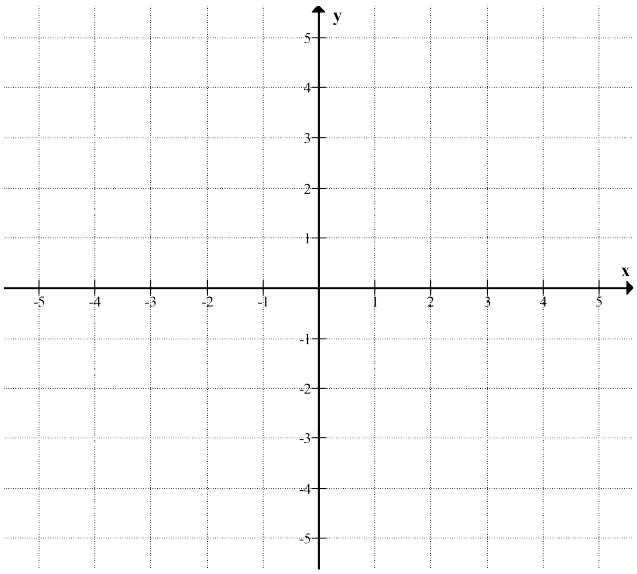
$2y + 10 = 4x$



$4x + 2y = 6$

$-8x = 4y - 12$

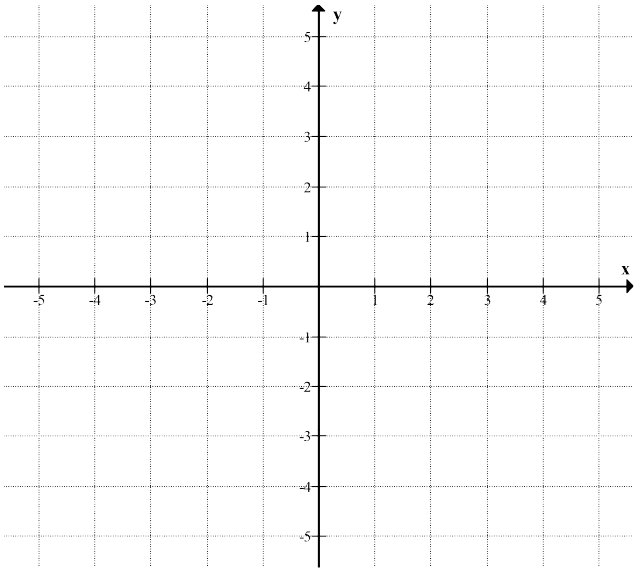
-



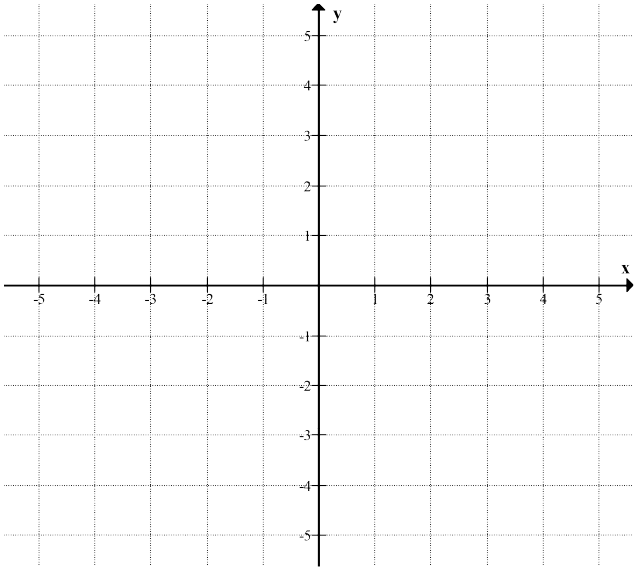
M10 - 9.3 - Elimination HW

Solve by Elimination

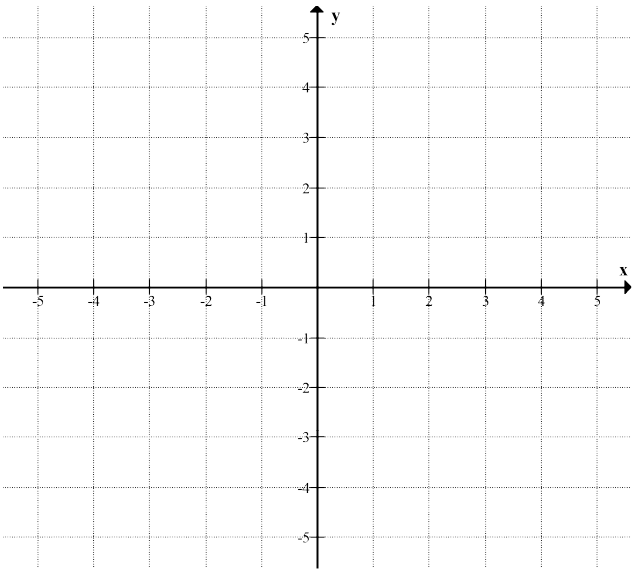
$y + 4x = 0$ $y - x = 5$



$2y = 2x + 4$ $y = -2x + 5$



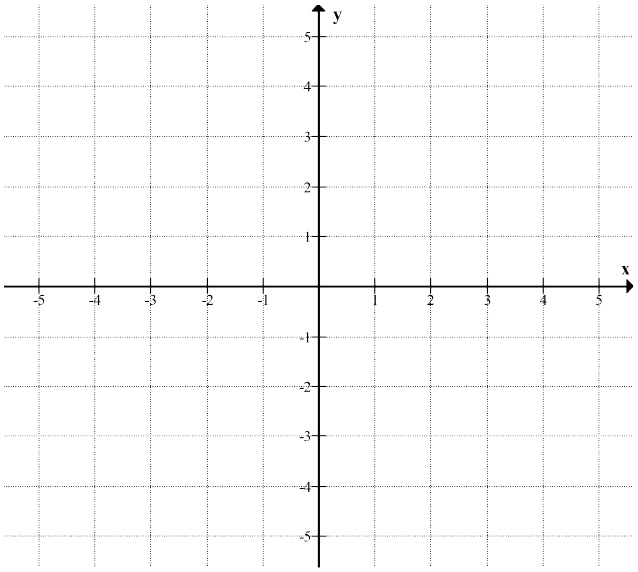
$-x - y = 4$ $-x + y = -4$



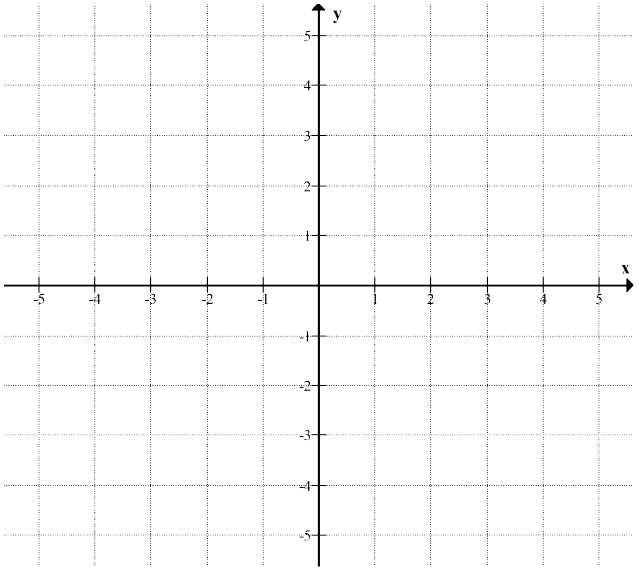
M10 - 9.4 - Line Up Elimination HW

Solve by Elimination

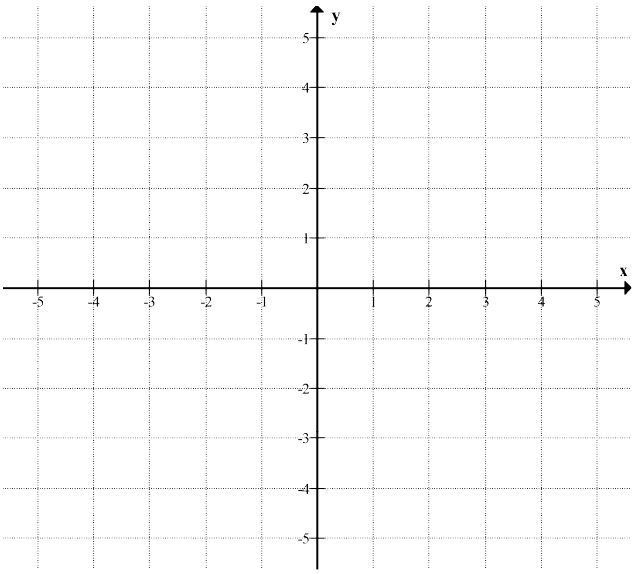
$-2x + 2y = 6$ $y = -2x + 6$



$3y + 2x = -12$ $3y + 3 = x$



$-2x + 5 = y$ $-2y = -2x - 4$

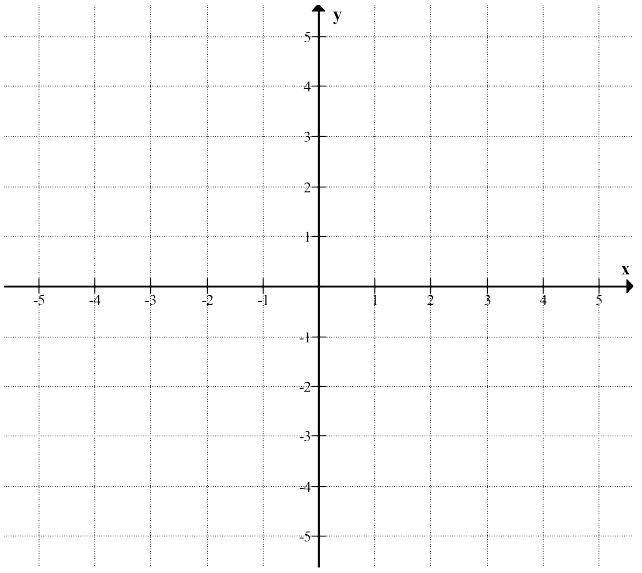


M10 - 9.5 - Multiply Elimination HW

Solve by Elimination

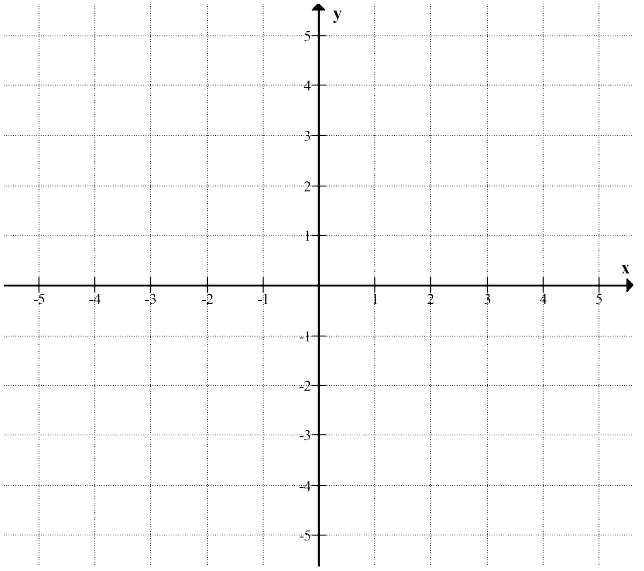
$y = -3x + 3$

$2y = x - 8$



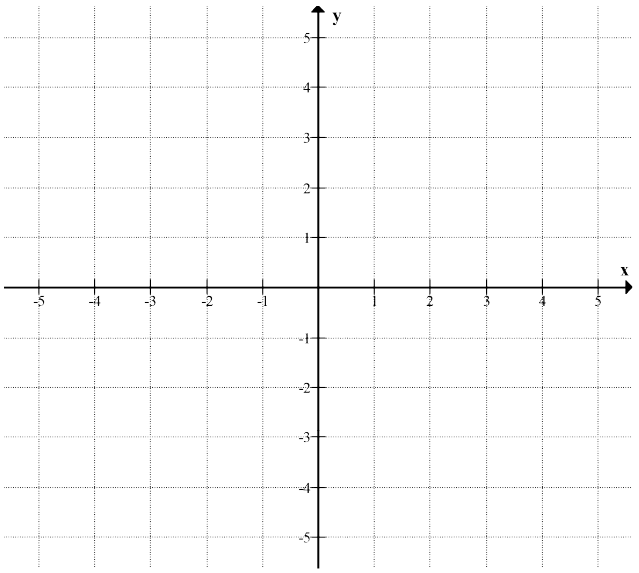
$3y = -2x - 12$

$9y = 3x - 9$



$2y = 3x + 4$

$3y = -4x + 6$

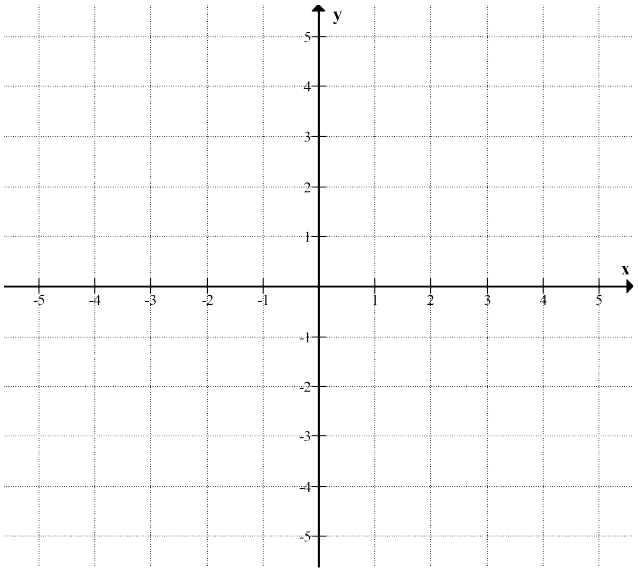


M10 - 9.5 - Frac Elimination HW

Solve by Elimination

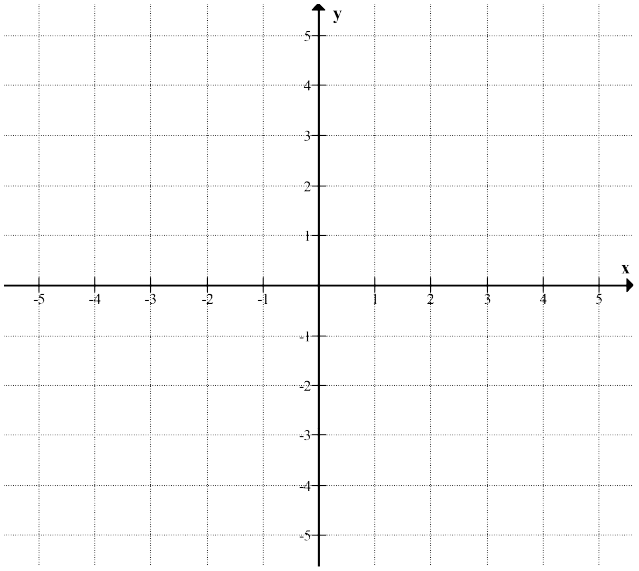
$y = 3x - 2$

$\frac{y}{2} = \frac{3x}{2} - 1$



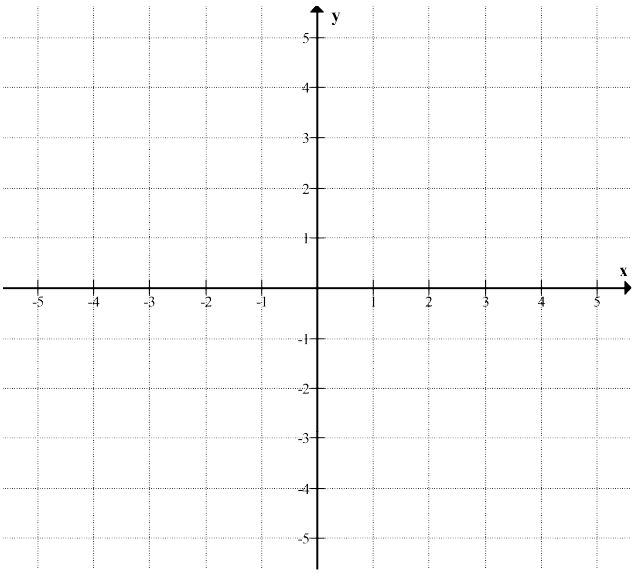
$y = -\frac{2}{3}x - 4$

$y = \frac{1}{3}x - 1$



$\frac{y}{2} = \frac{1}{3}x + 1$

$y = x + 1$



M10 - 9.5 - Sub/Elim Rev HW

Solve by Substitution

$y = x + 2$
$y = 2x$

$y = 3x - 2$
$y = 3x - 2$

$y = -2x + 3$
$y = x - 3$

$y = x + 2$
$x + y = 4$

$x = y - 1$
$y - 2x = 4$

$y = 2x + 1$
$x - y = -2$

$x + y = 2$
$y - x = 4$

$2x + y = 3$
$2y + 10 = 4x$

$4x + 2y = 6$
$-8x = -4y - 10$

Solve by Elimination

$y + 4x = 0$
$y - x = 5$

$2y = 2x + 4$
$y = -2x + 5$

$-x - y = 4$
$-x + y = -4$

$-2x + 2y = 6$
$y = -2x + 6$

$3y + 2x = -12$
$3y + 3 = x$

$-2x + 4 = y$
$-2y = -2x - 4$

$y = -3x + 3$
$2y = x - 8$

$3y = -2x - 12$
$9y = 3x - 9$

$2y = 3x + 4$
$3y = -4x + 6$

$y = 3x - 2$
$\frac{y}{2} = \frac{3x}{2} - 1$

$y = -\frac{2}{3}x - 4$
$y = \frac{1}{3}x - 1$

$\frac{y}{2} = \frac{1}{3}x + 1$
$y = x + 1$

M10 - 9.6 - Let Statements Systems of Equations Notes

Write Let Statements and an Expression or Equation in either form. $ax + by = c$ $y = mx + b$

A person has some Loonies.

A person has some Nickels and Dimes.

A person has 24 Total coins in Dimes and Quarters.

A person has 16 Total coins in Nickels and Pennies.

A person has some Nickels. How much do they have in Nickels?

A person has Quarters and Dimes. How much money do they have?

A person has Dimes and Quarters worth $4.50.

A person has loonies and toonies worth seven dollars.

Ben has read 40 books and reads three books per year.

A person deposits two dollars per day into a bank account with $100 in the account to start.

The Cost of a truck is $250 per month plus $0.2 per kilometer.

An Bird swops down at 5 meters per second from a height of 2000 meters.

M10 - 9.6 - Coin Solve Systems of Equations Notes

A person has 16 total coins of Dimes and Loonies worth $8.80, How many Dimes and Loonies do they have?

A person has 22 total coins of Quarters and Dimes worth $5.20, How many Quarters and Dimes do they have?

A person spends $17.40 on 12 kg of bulk Candy at $1.20/kg and $1.80/kg? How much did they spend on each?

M10 - 9.6 - Investment/Weights WS

Mark invests a total of $2800 in a 12% bond and an 8% bond earning $288. How much did he invest in each?

Marie invests a total of $3400 in a 9% bond and an 11% bond earning $366. How much did she invest in each?

M10 - 9.6 - Wind and Current WS

A boat took 3 hrs to travel 24 km with a current and 5 hrs to return. What is the speed of the boat in still water?

A plane travels 780 km in 4 hours with a headwind. It takes 3 hours to return with a tailwind. What is the wind speed?

M10 - 9.6 - y=mx+b Equations

Joe has 2 dollars in the bank and deposits 3 dollars per day. Mary has 12 dollars in the bank and spends 2 dollars per day. Find the intersection and state its meaning.

One cell phone company charges $40 per month and five dollars a gigabyte of data. Another cell phone company charges $20 per month and $10 a gigabyte of data. Find the intersection and students meaning.

Joe has 1 dollars in the bank and deposits 2 dollars per day. Mary has 4 dollars in the bank and spends 1 dollars per day. Find the intersection and state its meaning.

One car company sells a car for $50,000 and depreciate at five dollars per year. Another car company sells cars for $80,000 and depreciate that $10,000 per year. Find the intersection and stayed its meaning.