

L8 Systems of 1st Degree Equations

- Finding the solution to a system of equations means find a common point (x,y), that fits into both equations at the same time.
- We can check the solution of a system by replacing it back into the original equations to see if it works.
- We can find the solution by making a table of values and finding when the values for y are the same.
- We can also graph the two lines on the same grid and see where the lines cross.

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Ex 4: Solve using the comparison method

$y_1 = 4x + 6$
 $y_2 = -2x$

}

Both equations must be isolated for the same variable

←

Compare both y's

}

Solve for x

}

Replace x and solve for y_1 then in y_2 to check

}

∴ solution is

6

Ex 5: Solve using the comparison method

$y = 3x - 2$
 $y = 5x + 6$

∴ solution is (

7

Practice:
4.8 # 1-6
4.8 # 7-12



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