

Two in Two

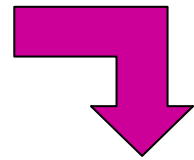
Linear Equations and Variables

When given two sets of points and asked where the lines intersect, do the following:

Find the equation of each line solving for m

$$y = mx + b$$

$$M = \frac{y^2 - y^1}{x^2 - x^1}$$



Solve for b : based on what you found for m

Set the equations as equal to one another.

Solve for x .



Place the value of x that you have found into either of the equations. This gives you the y value.