

Straight Line

The point P has coordinates (x, y)

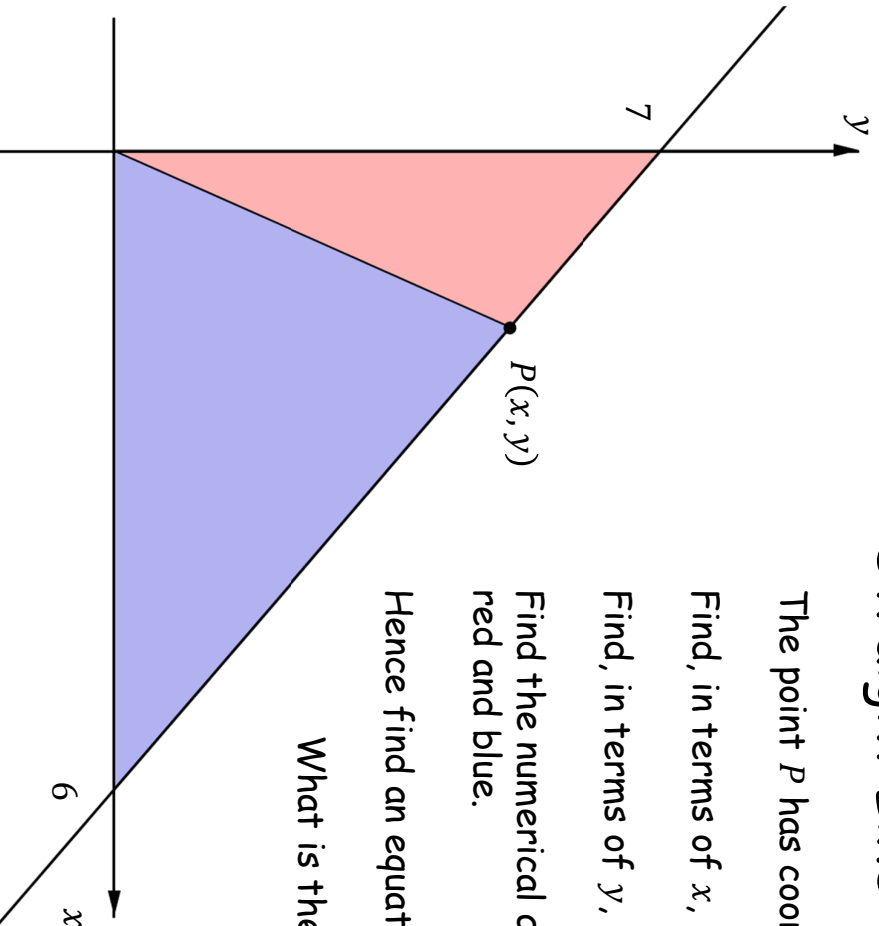
Find, in terms of x , the area of the red triangle.

Find, in terms of y , the area of the blue triangle.

Find the numerical area of the triangle which is red and blue.

Hence find an equation linking x and y .

What is the equation of the line?



S1C_31

(not to scale)

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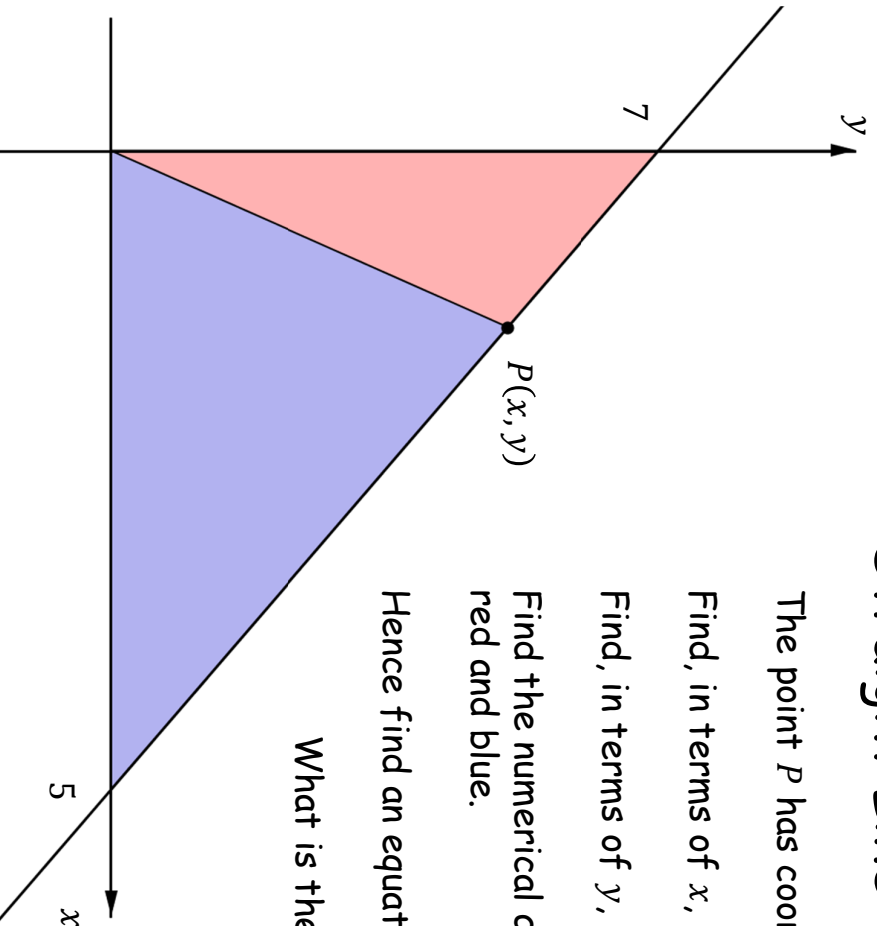
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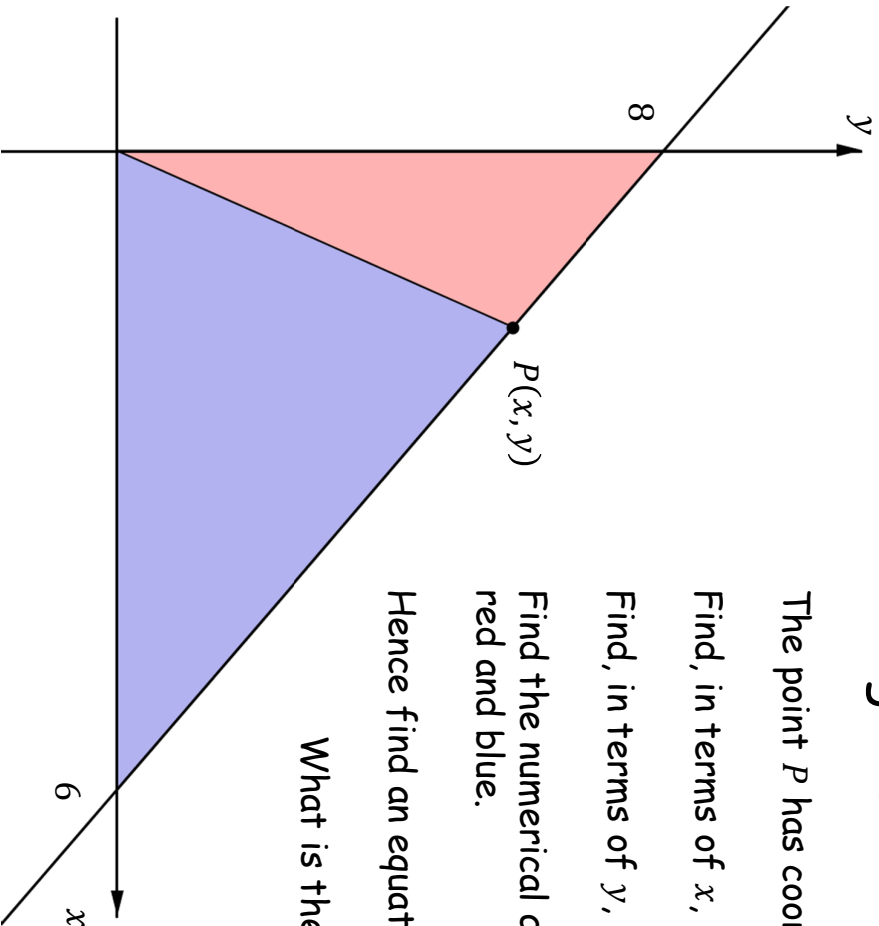
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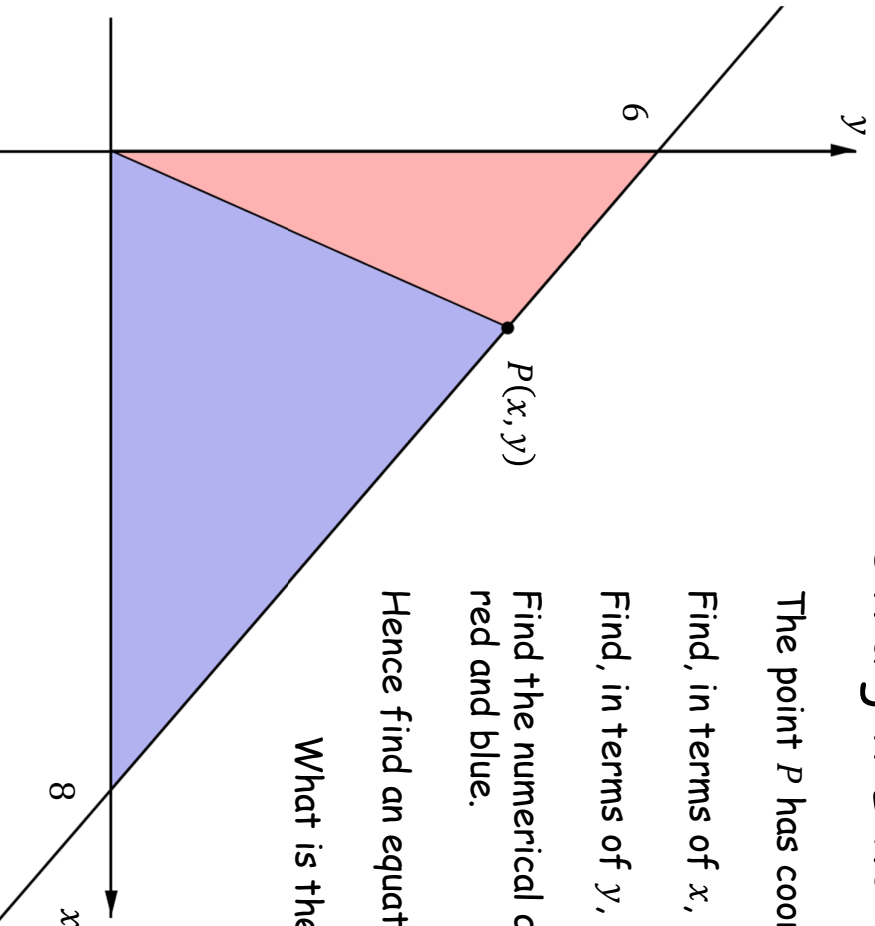
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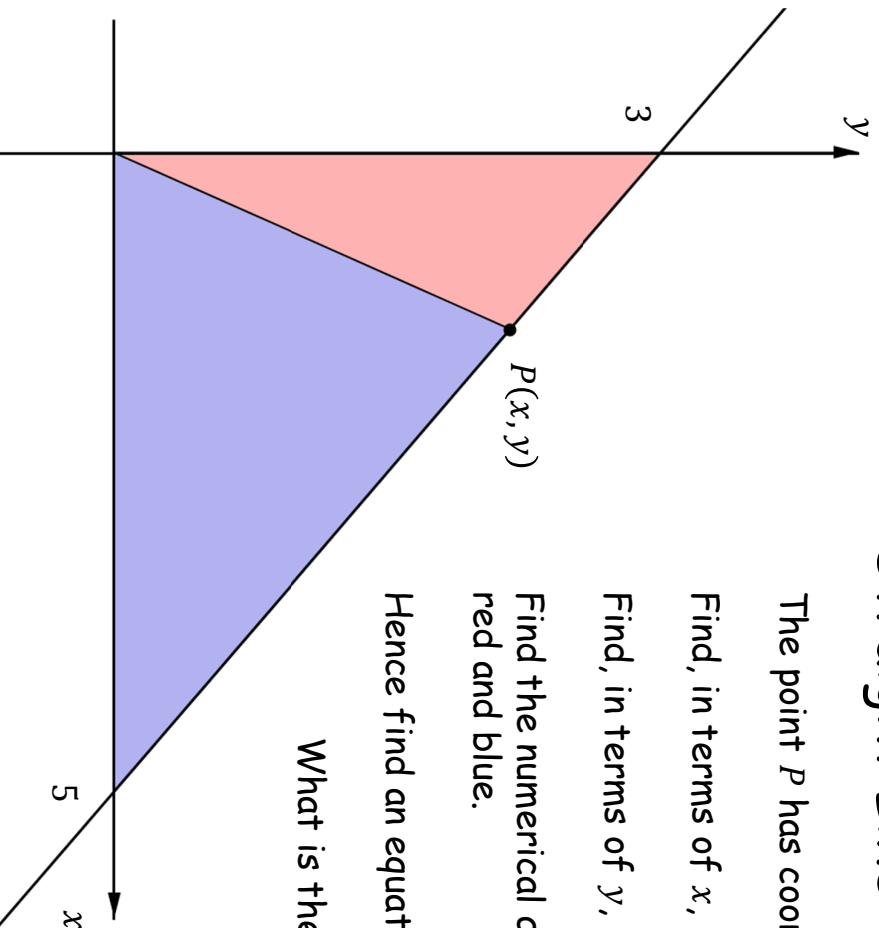
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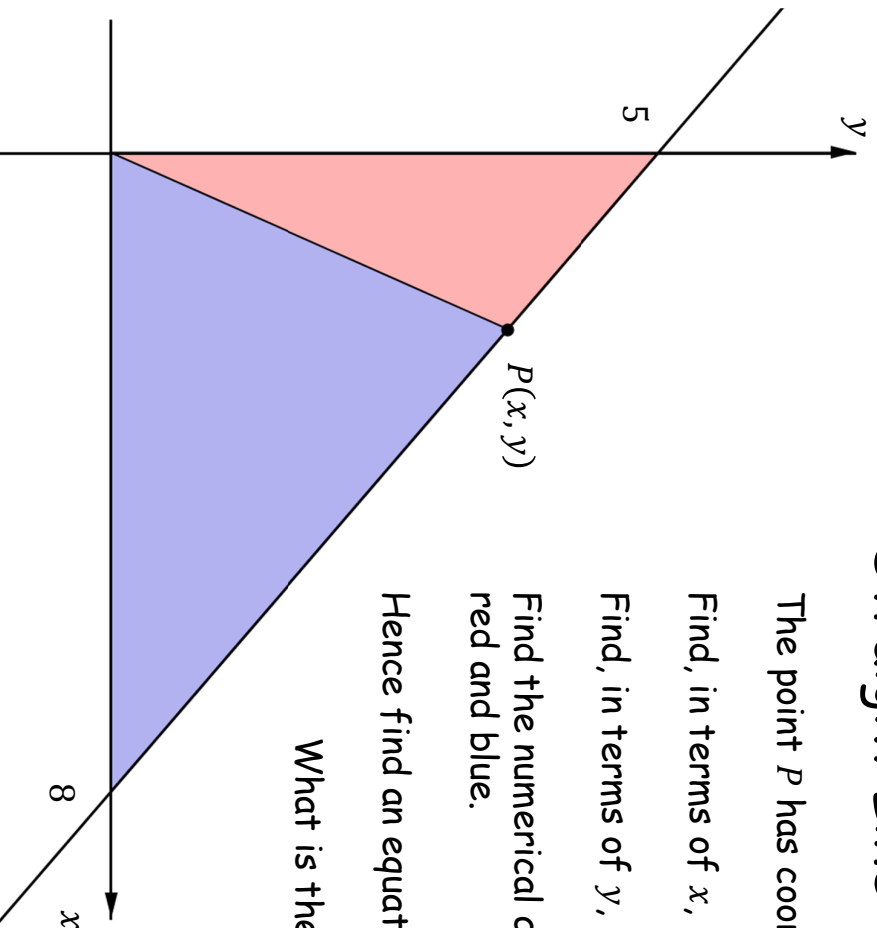
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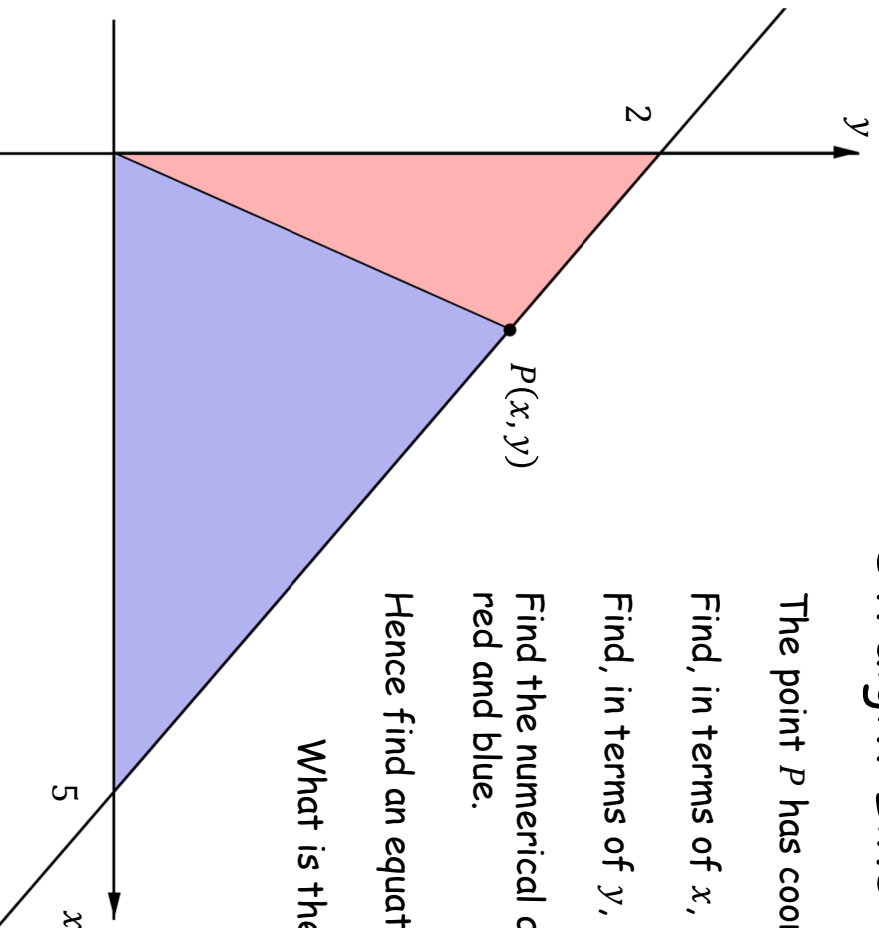
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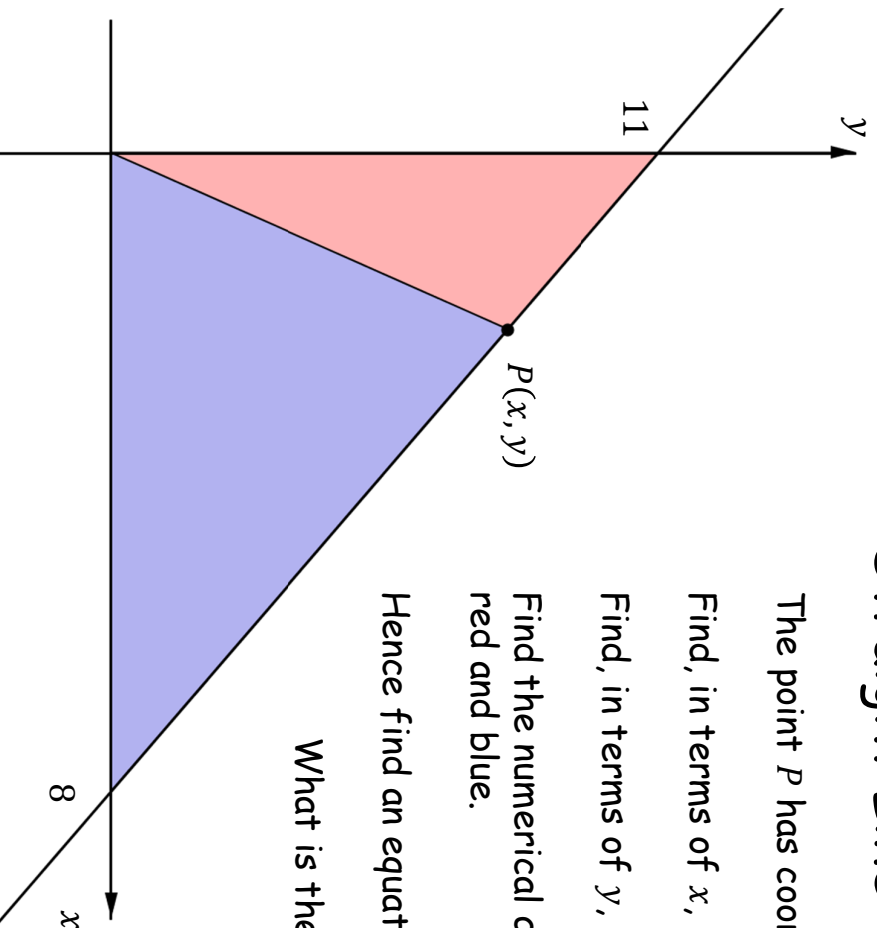
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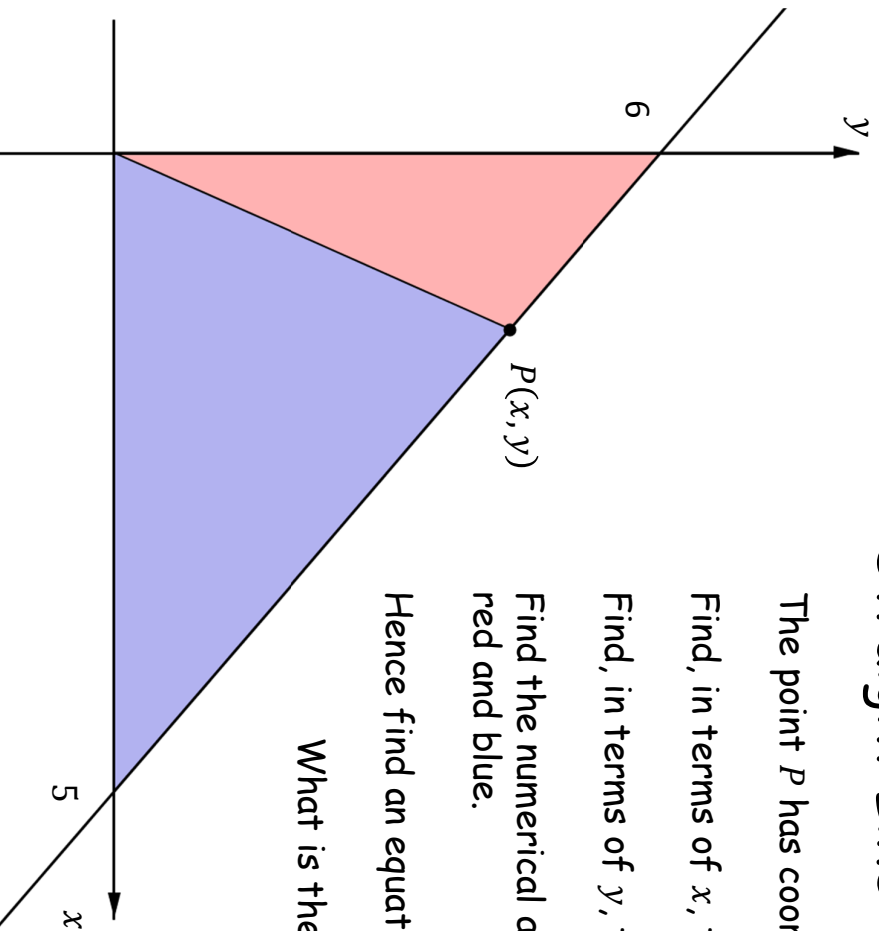
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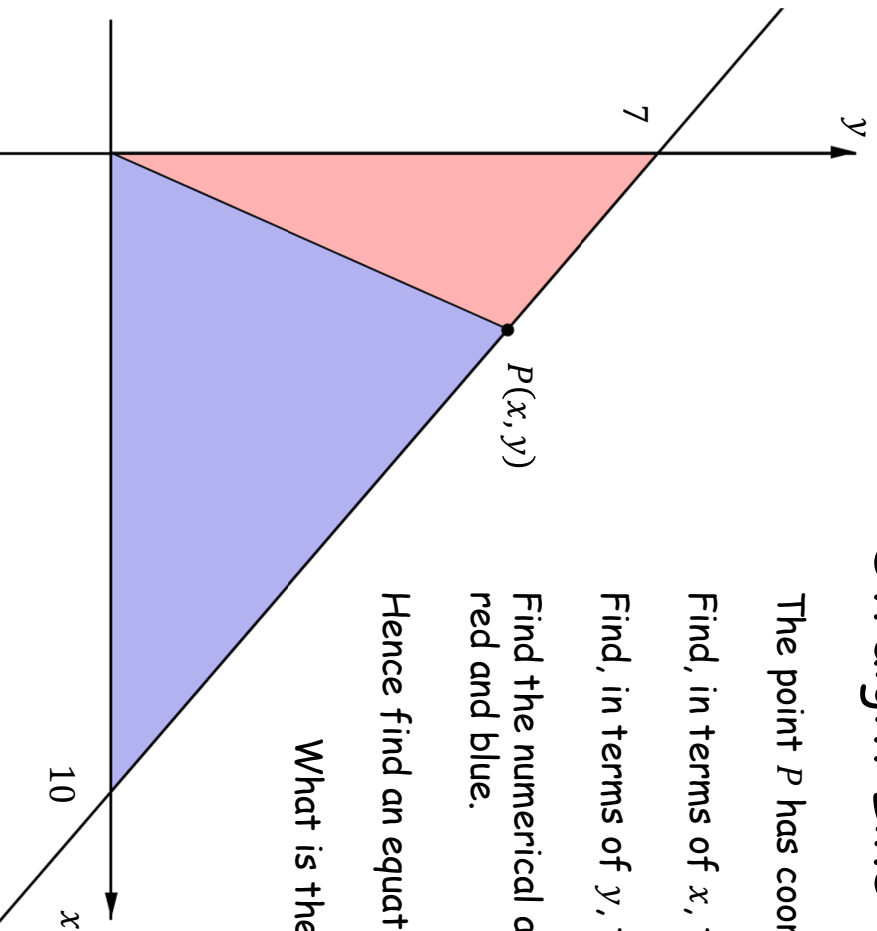
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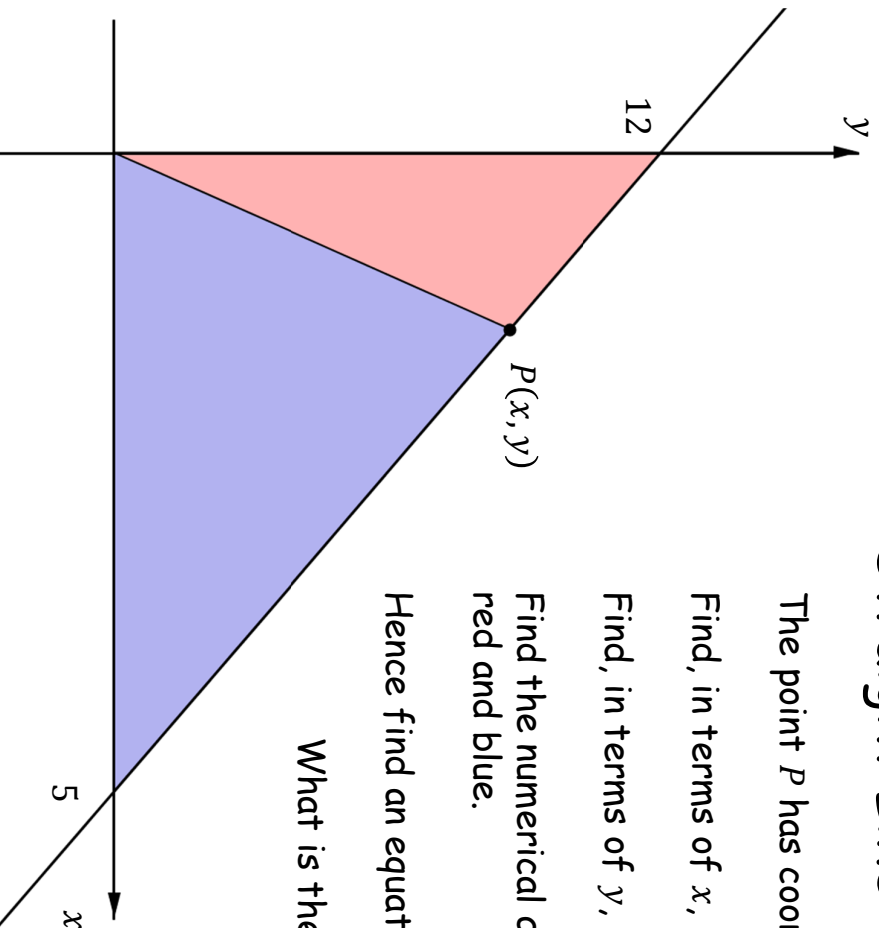
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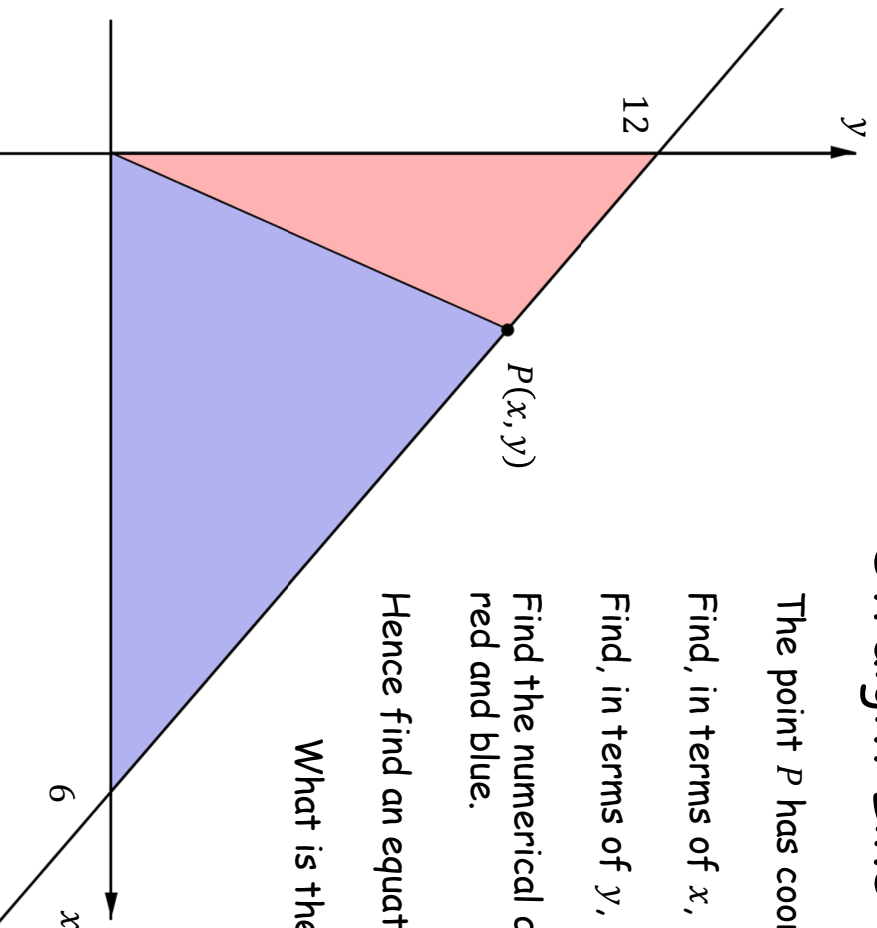
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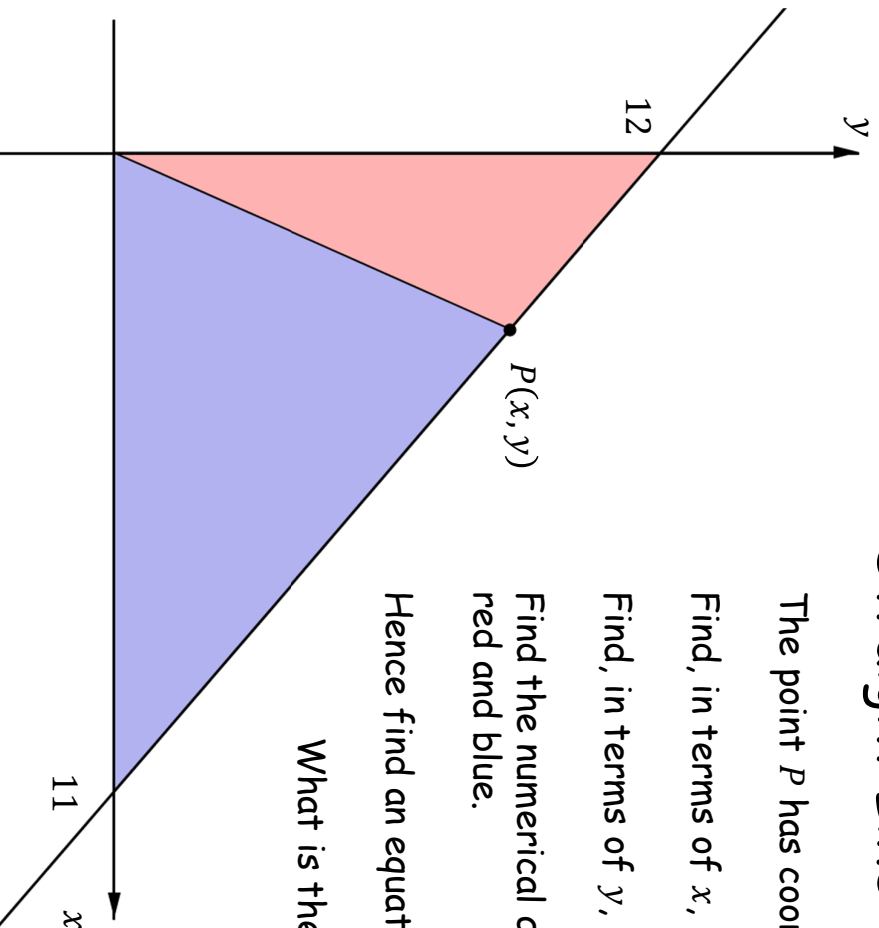
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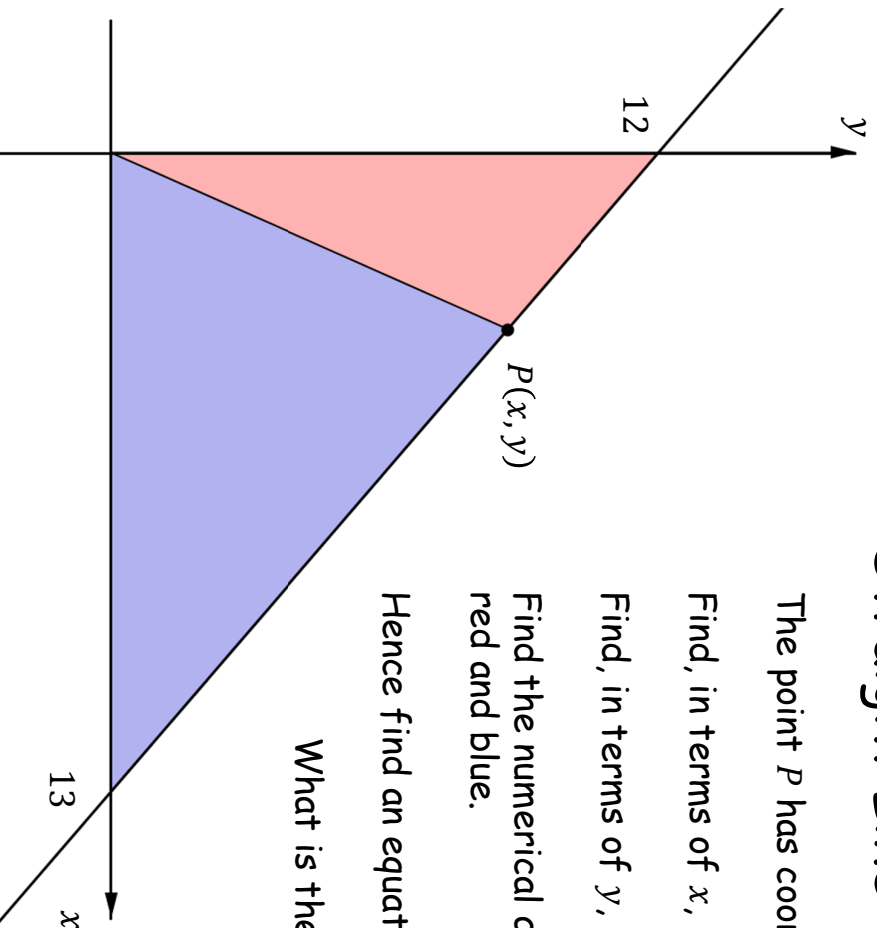
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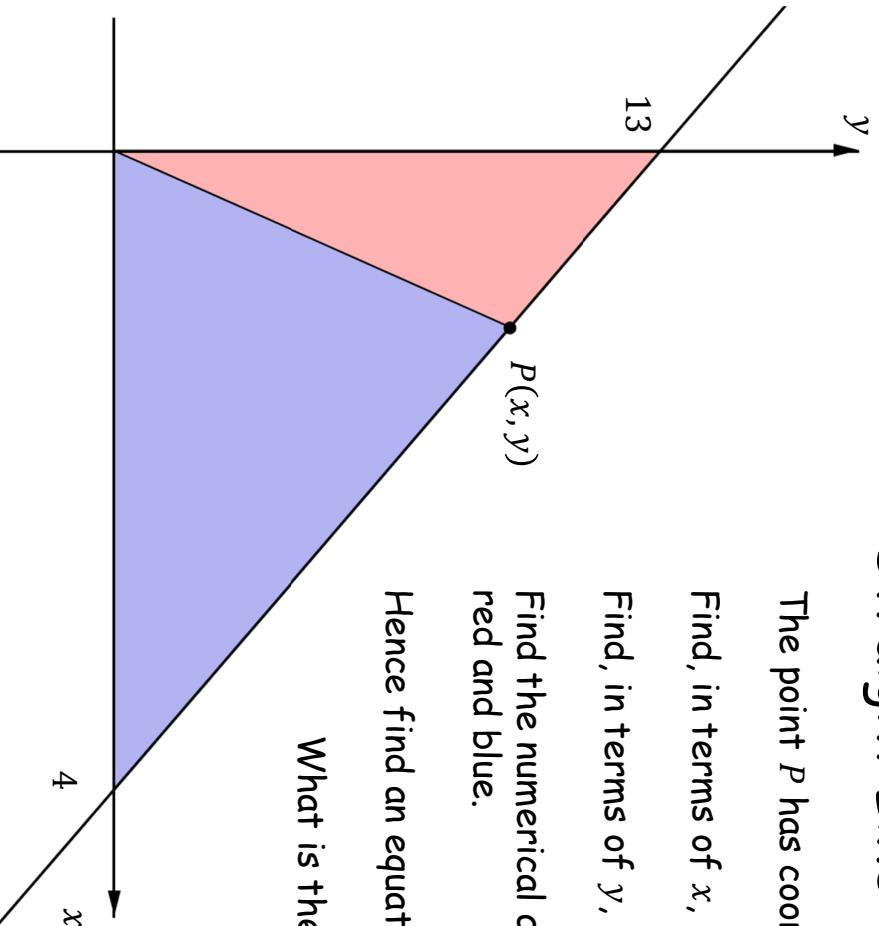
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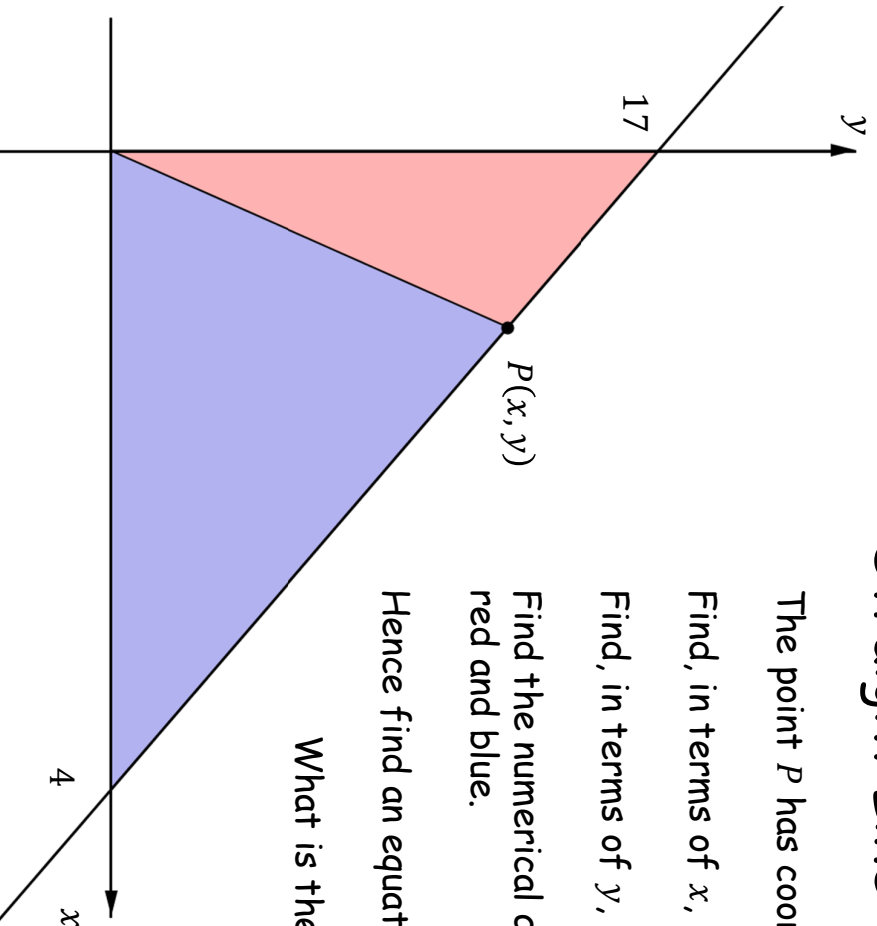
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