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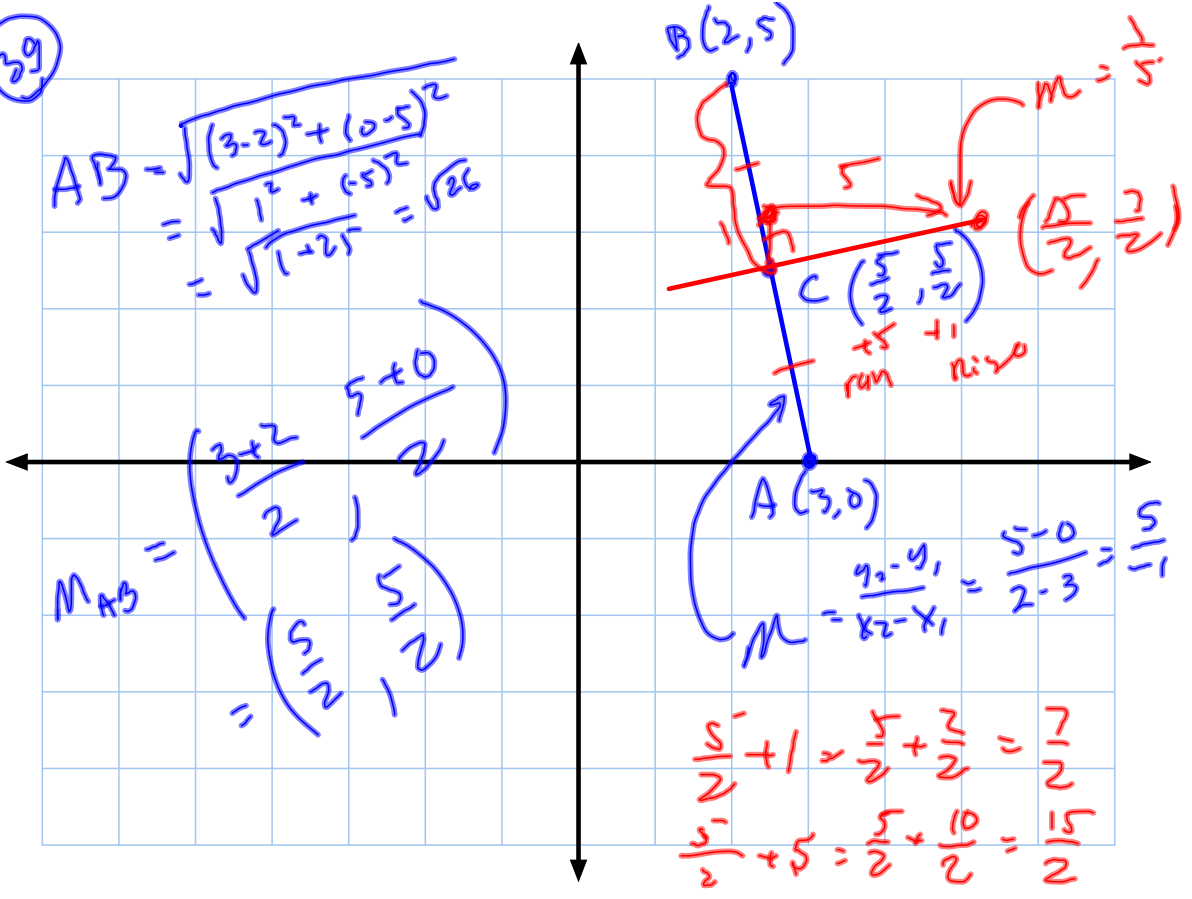
$$AB = \sqrt{(3-2)^2 + (0-5)^2}$$

$$= \sqrt{1^2 + (-5)^2}$$

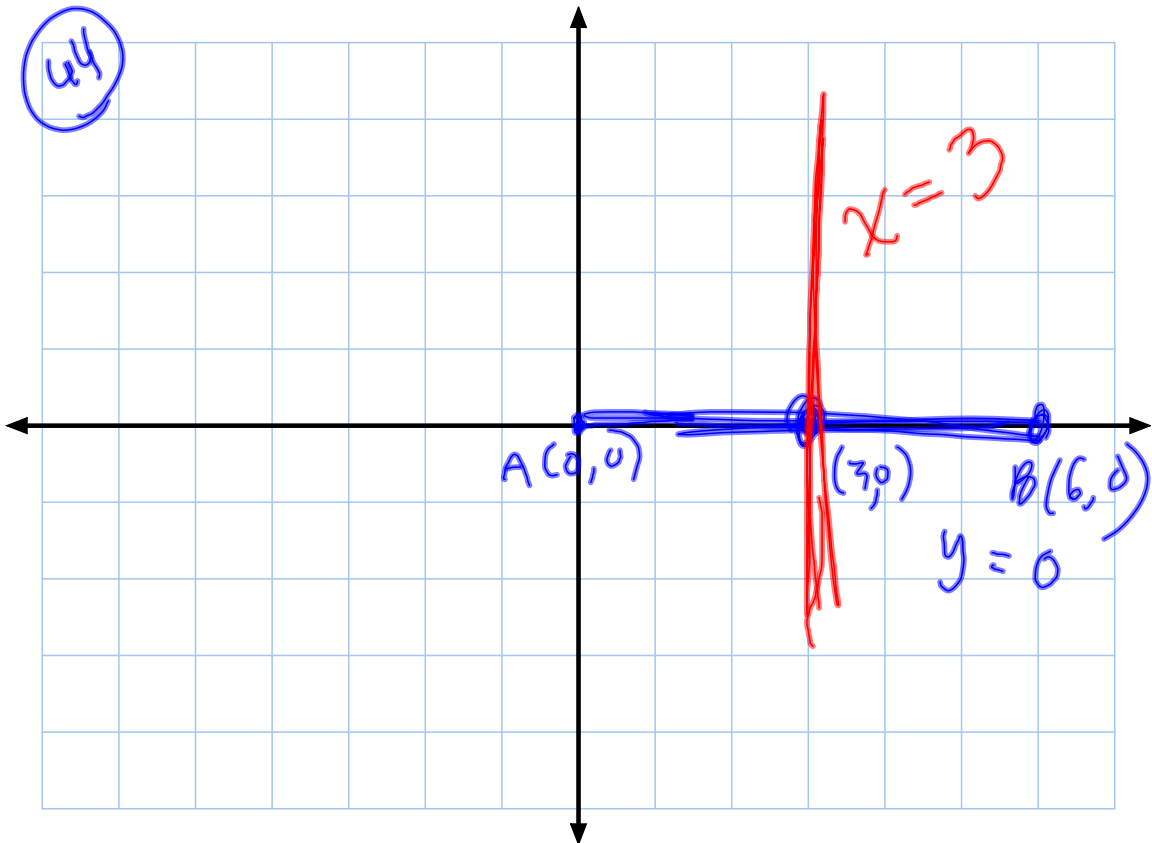
$$= \sqrt{1+25} = \sqrt{26}$$

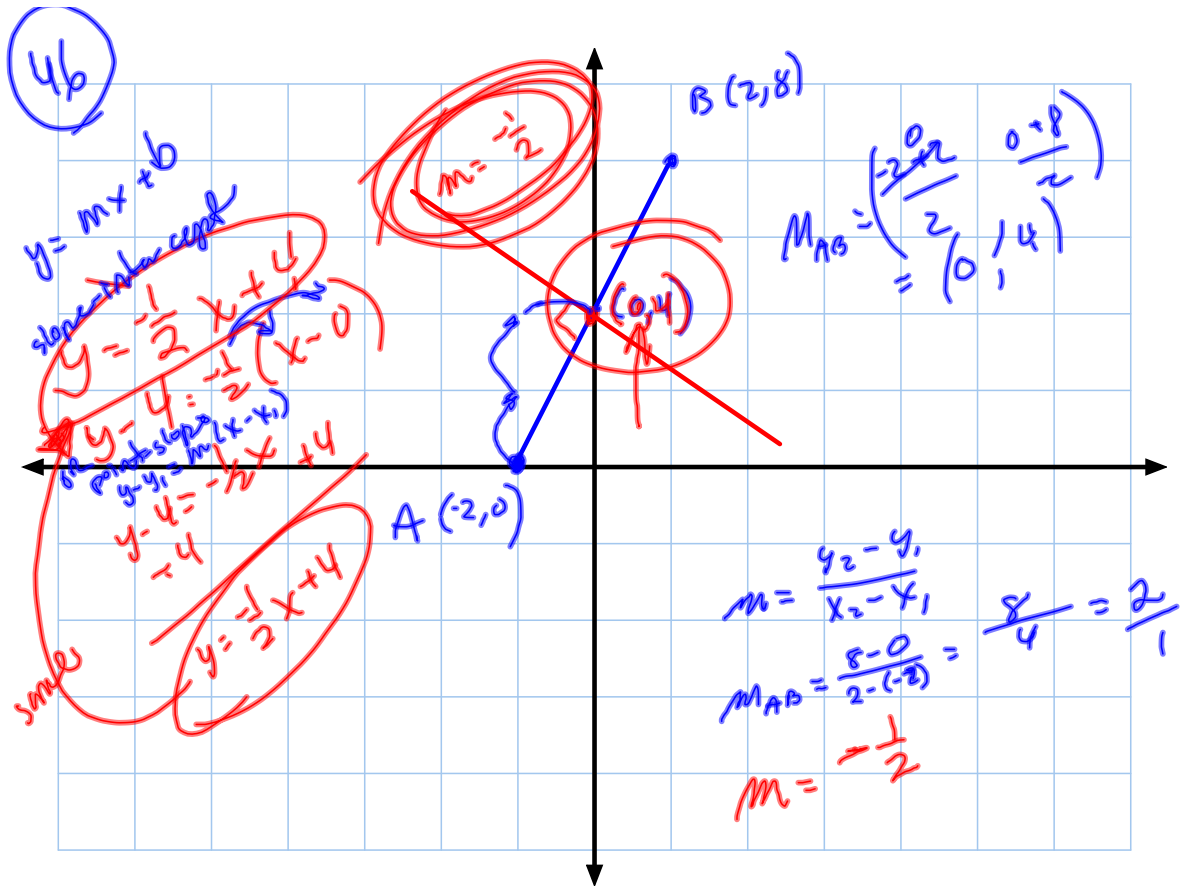
$$M_{AB} = \left( \frac{3+2}{2}, \frac{5+0}{2} \right)$$

$$= \left( \frac{5}{2}, \frac{5}{2} \right)$$



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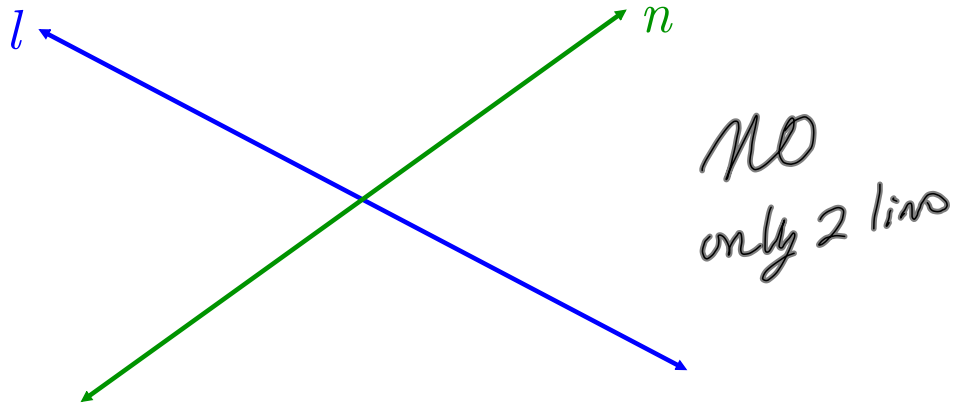


Definition: Concurrent Lines

$\geq 3$  lines that intersect @ 1 pt

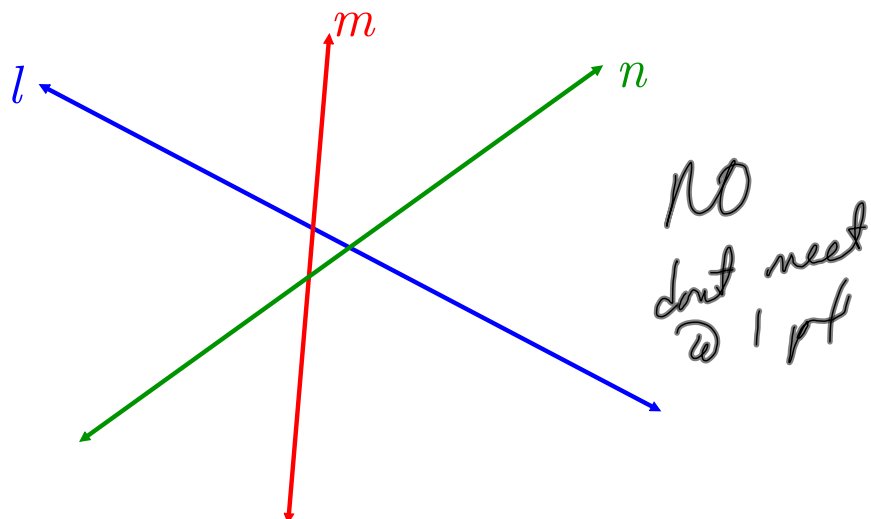
## Definition: Concurrent Lines

$\geq 3$  lines that intersect @ 1 pt



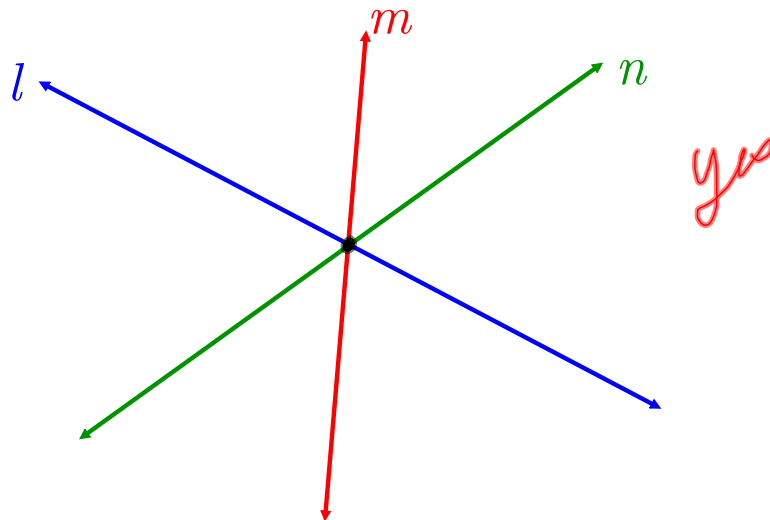
## Definition: Concurrent Lines

$\geq 3$  lines that intersect @ 1 pt



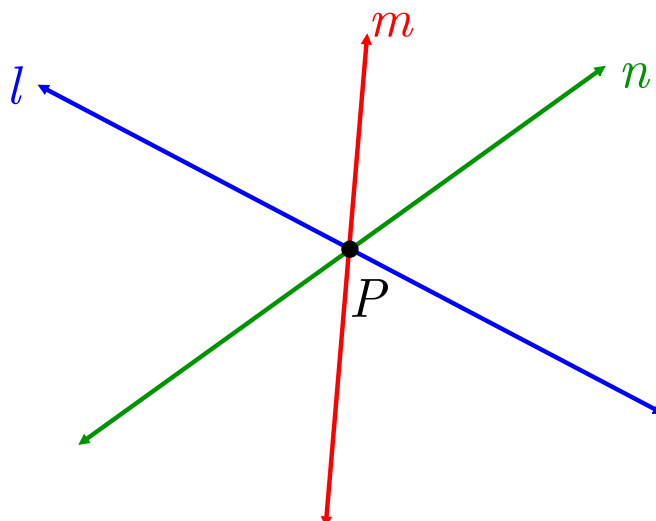
## Definition: Concurrent Lines

$\geq 3$  lines that intersect @ 1 pt



## Definition: Point of Concurrence

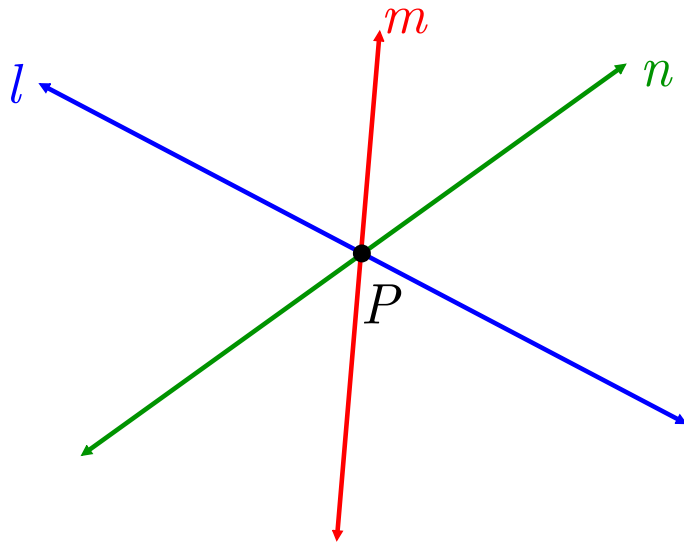
Pt concurrent lines meet @



## Definition: Point of Concurrency

Pt concurrent lines meet @

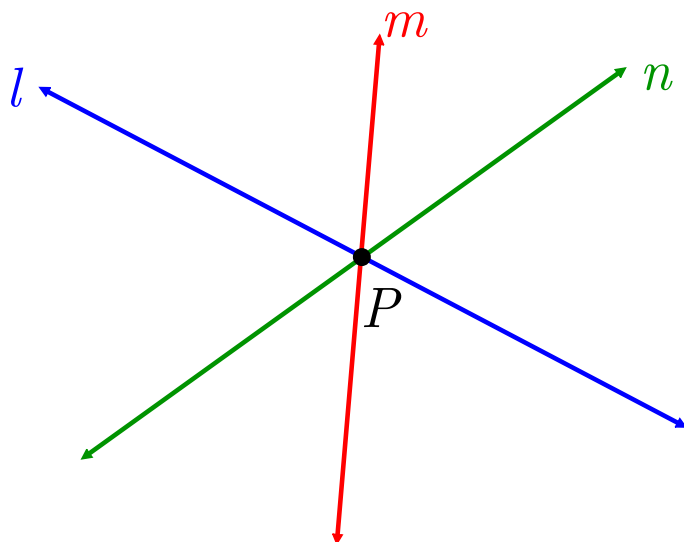
pt  $P$  is the point of concurrency for \_\_\_\_\_ ?



## Definition: Point of Concurrency

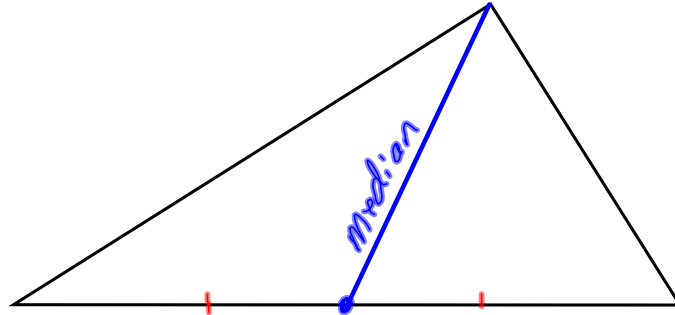
Pt concurrent lines meet @

pt  $P$  is the point of concurrency for lines  $l$ ,  $m$  &  $n$ .



## Definition: Median

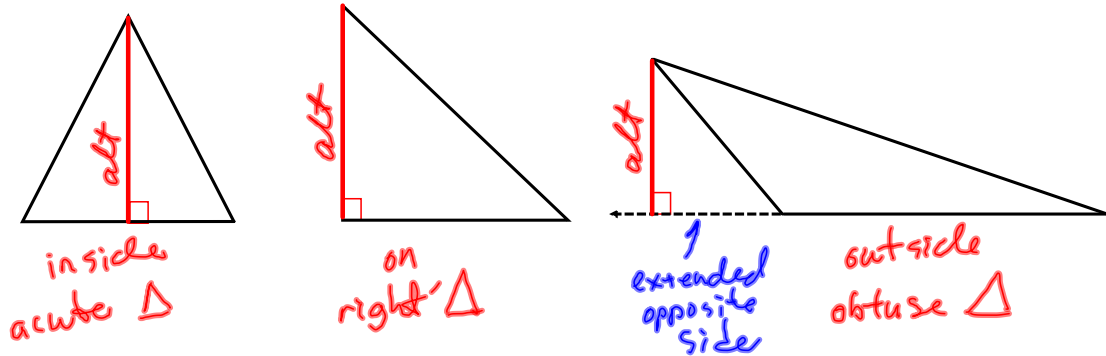
Seg whose endpts are a vertex & midpt of opp side



## Definition: Altitude

$\perp$  seg from a vertex to the line containing the opp side.

May be in, out or on  $\Delta$ .



Definition: Circle

The set of all pts equidistant from a given pt.

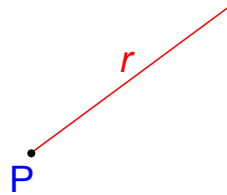
Definition: Circle

The set of all pts equidistant from a given pt.

P<sup>•</sup>

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The set of all pts equidistant from a given pt.



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