

Re: Help solving this problem?

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So each point must solve the line equation (since they both lie on it)

I.e.

For point (M,N), we have:

$$M = N/2 - 2/5$$

And for (M + P, N+4), we have:

$$M + P = (N + 4)/2 - 2/5$$

We substitute the value for M from our first equation into our second equation:

$$(N/2 - 2/5) + P = (N + 4)/2 - 2/5$$

implies

$$N/2 - 2/5 + P = N/2 + 2 - 2/5$$

implies

$$P = 2$$

-Darren

"Fletch Bowling" <fletchb@gmail.com> wrote in message
news:2ee22479.0412012014.18091f09@posting.google.com...

> Hello,

>

> *Trying to get back into school after many years away. I have to take
> an admittance exam which I am currently studying for. Here is a problem
> on a sample exam that is stumping me . I believe it is a y intercept
> problem Any ideas on how to solve? I am thinking you solve for y but
> that didn't seem to work for me.*

>

> *M and N are the X and Y coordinates, respectively, of a point in a
> coordinate plane. If the points (M,N) and (M + P, N + 4) both lie on
> the line defined by the equation $X = y/2 - 2/5$, what is the value of
> P?*

>

>

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> *Thanks, Fletch*