Variations

① x is directly proportional to y

proportionality sign

n & y

N = Ky (Kis a constant)

② x is inversity proportional to y

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3) a is alineally proportional to b2

a= Kb2

(9) p is inversely propositional to square notal

Pd 1

P= K

> Direct Prograntian

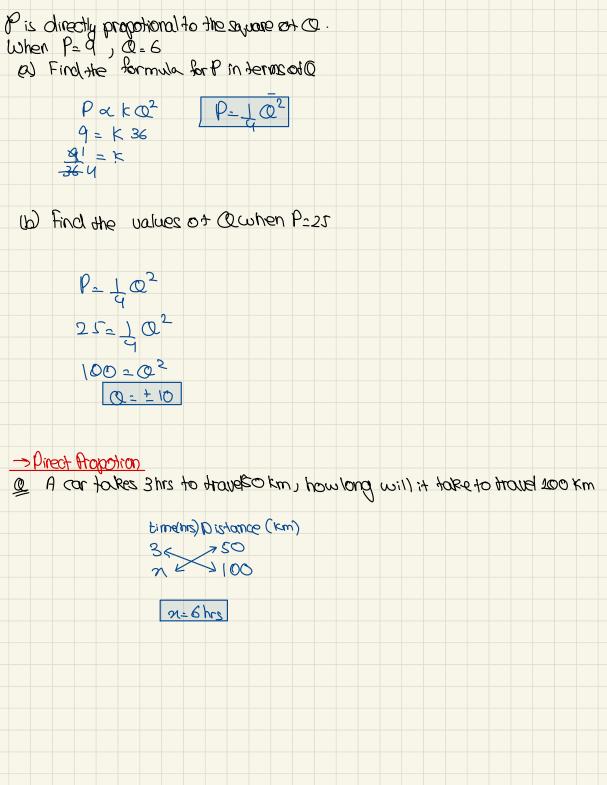
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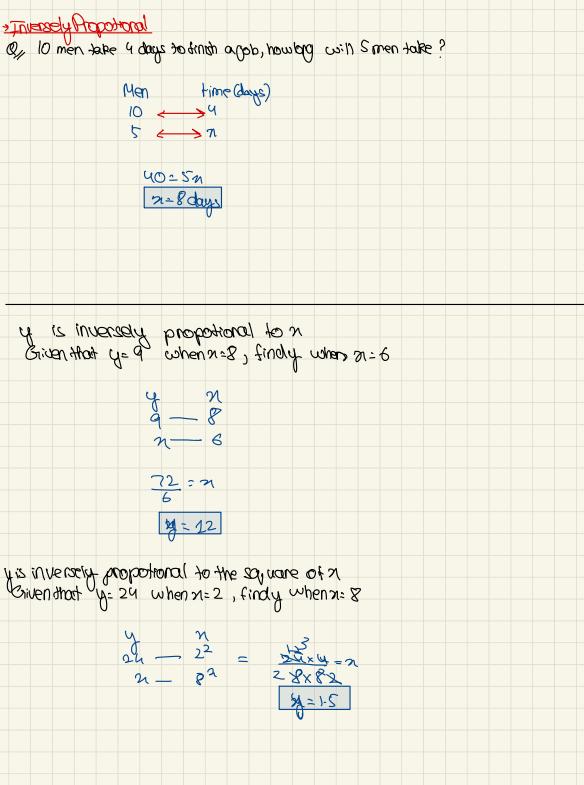
Thice & quantity

Distance & Time Capeal acong a

11 A VB
V A 14B
Men & Time
Speed & Time (distance condain)

-> Inverce Proposion





y varies directly as the source root of or Siven that yell when n= 9 y=? when n=4 (d) y is directly propotional to a

It is known that y=6 for a particular value of ne

Finaltha value of y when this value of a ishalfod $\frac{y}{6} = \frac{\pi^2}{n^2} \left(\frac{n^2}{n^2}\right) \times 6 = \frac{\pi^2}{n^2} y$ $\frac{6}{n^2} = y$ H=3 0812