A & B are two person approching point's perpendicular to each other. When A is at 0, B is 300 m away from 0.

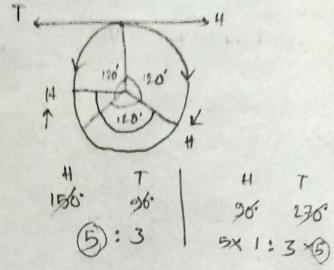
After 3 minutes A & B are in equidistant from.

The after 5 minutes A & B are in equidistant from . What is

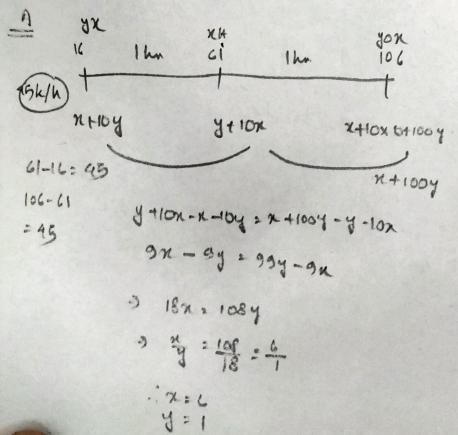
The distance between A & B?

$$3x = 300 - 3y$$
  
 $3x + 3y = 200 - (1)$   
 $3x + 3y = 8y$   
 $3x +$ 

2) A hance I a tortoise stanted from same distant in a circular path to their opposite Linection. When have covered 1/3 distance tortoise stanted. When tortoise covered 1/4 distance. Then have crosses tortoise. What factor & speed tortoise have to improve so that tie the game?



while moving in a can a man observed a mileston having two digit number. After I hour he observed another mileston having also two digit number but the digit become neversed. After I have he observed another mileston again revensed but separated by terro what is the noarrage speed of the car?



1) Esha stanting from 'O' 30 non late from her office. Due to bad condition of road she neduces her wand speed by 20 25 percent and reached office 50 min Late. what went time de torker if she moves not with that user speed?

$$\frac{\pi}{V}\left(\frac{4}{3}-1\right) = 20$$
  $\frac{4\pi}{3V} - \frac{\pi}{V} = 20$ 

2 220×3 2 com.

It a relocity of a locomotive engine is directly proportional to the sy good of the number of wagon attached. Only engine can move with a speed of 20 km/hr. When 9 wayon is attached engine can move with the speed of 18 km/hm.

- (1) Find the max no. of wayon that can be carried by
- (i) Find the min now of wagon which when nattached that the engine times to for move.

