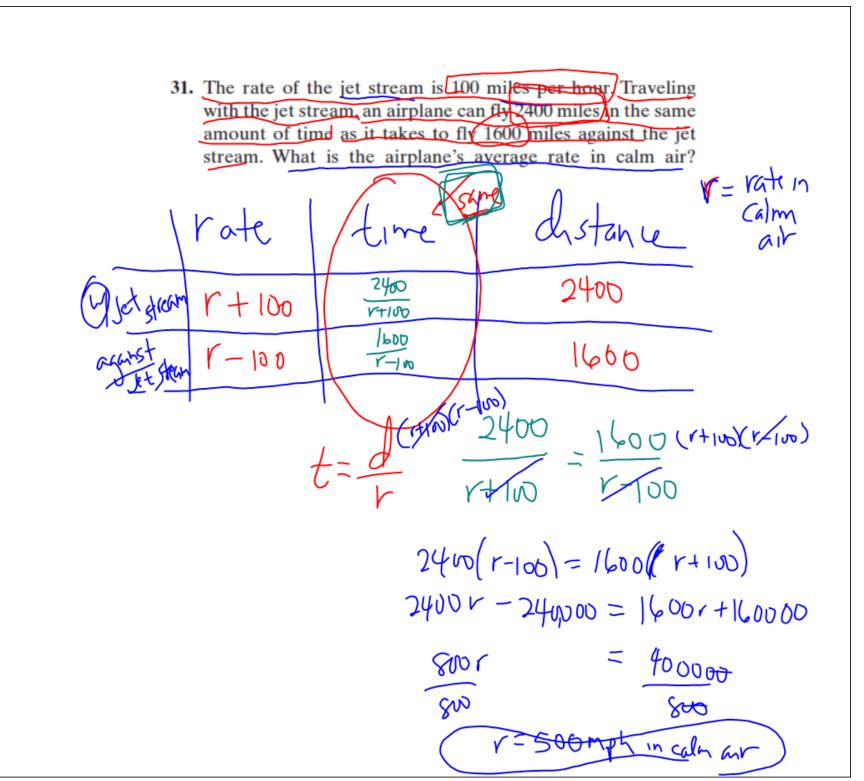
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Fixed rosts are
$$$150,000$$

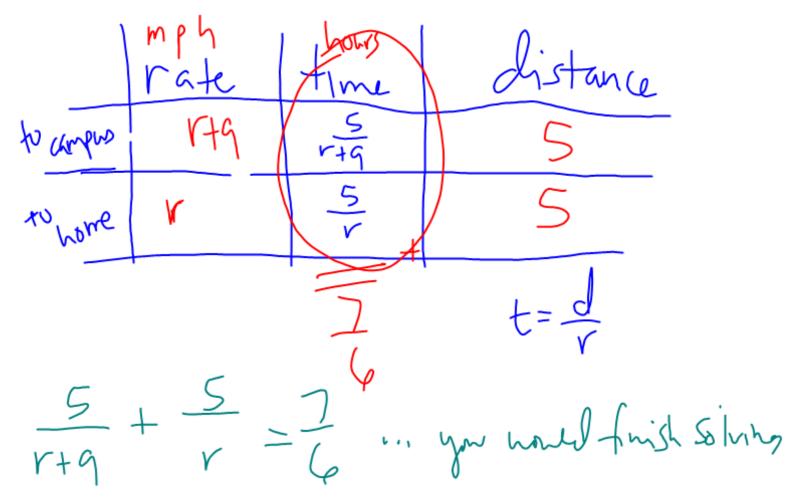
and it costs $$300$ to make 1 robot.
How many robots had to be made to
have an avg cost q \$500 perrobot?
 $C = \frac{150000 + 300 \times \times}{500 \times} = 500 \times$
 $150000 + 300 \times = 500 \times$
 $150000 = 200 \times$
 $750 \text{ rbot}_F \times$

"Varies"

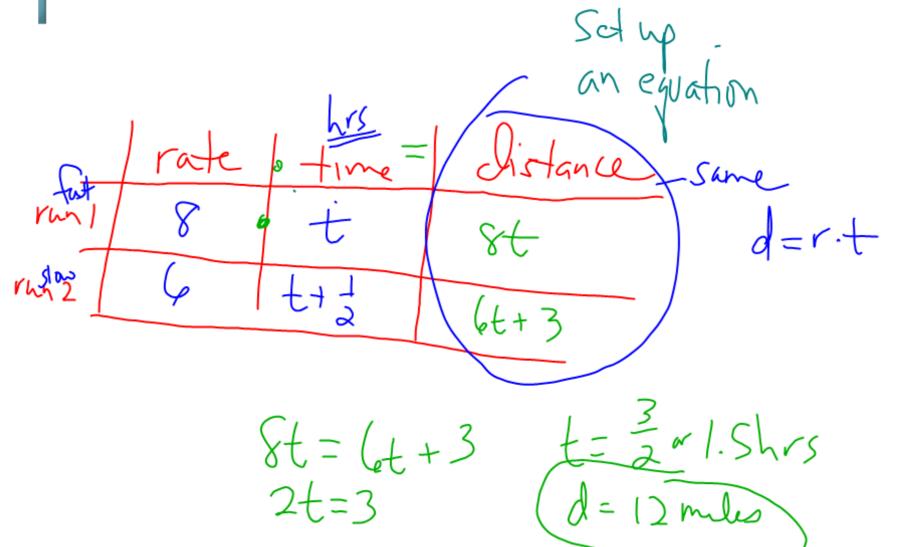
11.7 Day 2 () Motion rit=d forms 3. r = d



27. You ride your bike to campus a distance of 5 miles and return home on the same route. Going to campus, you ride mostly downhill and average 9 miles per hour faster than on your return trip home. If the round trip takes one hour and ten minutes—that is $\frac{7}{6}$ hours—what is your average rate on the return trip?

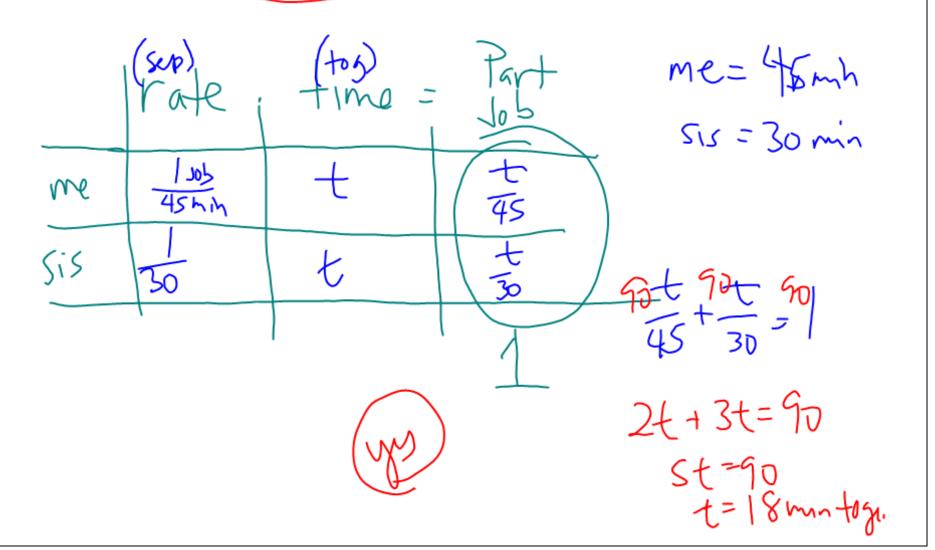


35. Two runners, one averaging 8 miles per hour and the other 6 miles per hour, start at the same place and run along the same trail. The slower runner arrives at the end of the trail a half hour after the faster runner. How far did each person run?

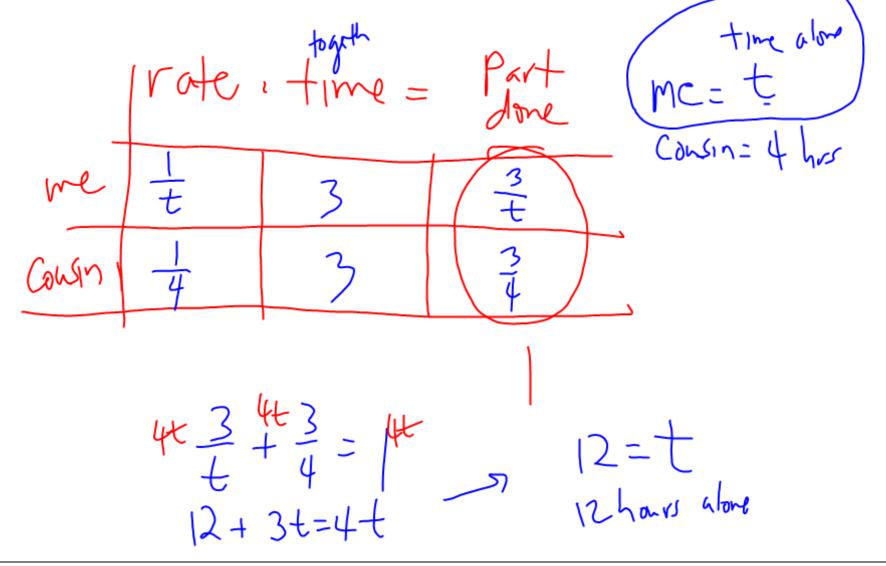


Work problems take me le hrs now theyard 15 Job (yand Yard Vate - 1305. 2 Krs = $\frac{2}{6} = \frac{1}{3} \int \frac{1}{2} dv dv$ intindual rate o time = Part 105 done me=6hrs me 4 t Lee = 2hy Lee もう t= \$4=32 {1.5 hrs

37. You promised your parents that you would wash the family car. You have not started the job and they are due home in 20 minutes. You can wash the car in 45 minutes and your sister claims she can do it in 30 minutes. If you work together, how long will it take to do the job? Will this give you enough time before your parents return?



 41. Working with your cousin, you can refinish a table in 3 hours. Working alone, your cousin can complete the job in 4 hours. How long would it take you to refinish the table working alone?



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