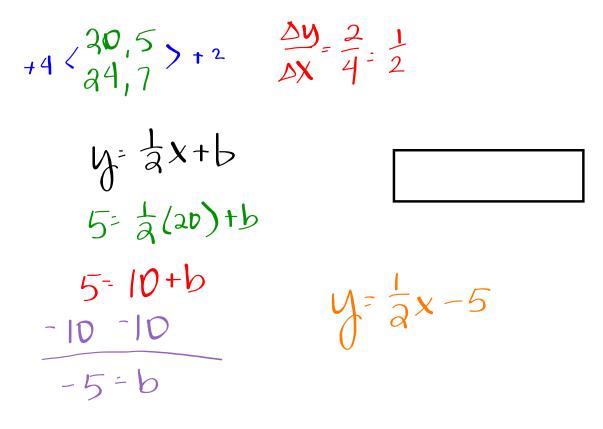
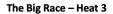
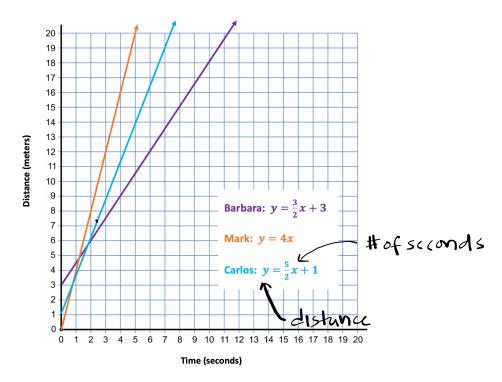
Warm Up

10/8

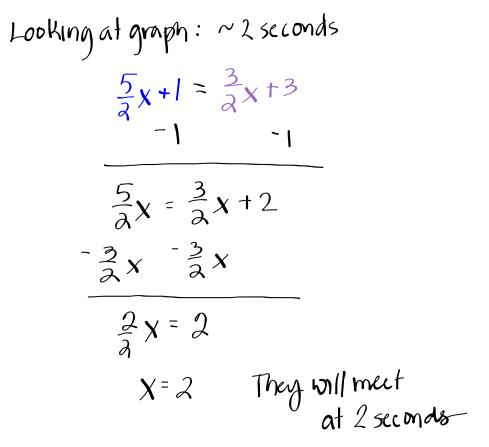
Find the equation of the line that passes through the points (20, 5) and (24, 7).







When did Carlos and Barbara meet?



THE BIG RACE – FINALS

Today is the final event of "The Big Race"! Your teacher will give you each a card that describes how you travel in the race. You and your study team will compete against the heat 1 and 2 winners, Leslie and Elizabeth, at today's rally in the gym. Unfortunately, Mark, the winner of heat 3, is absent from school and will not be participating against you.



Your Task: As a team, you each will do the following:

- Draw a graph showing all of the racers' progress over time. Identify the independent and dependent variables and use intervals of 1 on each axis.
- Write an equation for each participant.
- Figure out who wins the race!

Rules:

- You must work cooperatively to solve the problem. No single team member has enough information to solve the problem alone.
- Each member of the team will be given a rider card (A, B, C, or D). You may **not** show your card to your team. You must communicate the information.
- Assume that each racer travels at a constant rate throughout the race.
- Elizabeth's and Leslie's cards will be shared by the entire team.

Use your results from "The Big Race – Finals" to answer the following questions. You may answer the questions in any order, but be sure to justify each response.

- a. Who won the finals of The Big Race? Who came in last place?
- b. How fast was Rider D traveling? How fast was Elizabeth traveling?
- c. At one point in the race, four different participants were the same distance from the starting line. Who were they and when did this happen?