Partial practice task part 2

- You have been asked to compare conversion kicks made by two different players to help them strategise for the upcoming rugby games.
    - When Aaron kicked his conversion it could be modelled by the equation, Aaron is 1.71 m tall.

      $y = -\frac{1}{85}(x - 20)^2 + 5$

    - When Beauden kicked his conversion it could be modelled by the equation, Beauden's height is 1.84m

      $y = -\frac{1}{60}(x - 15)^2 + 4$

        - Compare what the angle will be from the top each of the players heads to the top of the balls projected flight, that is when it is at it's highest point. State any assumptions you have made in your calculations and comparisons.

        - When Aaron kicked his conversion, the ball's average speed was 51 km/h and Beauden's conversion kick made the ball travel on average 60km/h. Did both players score a successful conversion and how many seconds did it take to determine this.