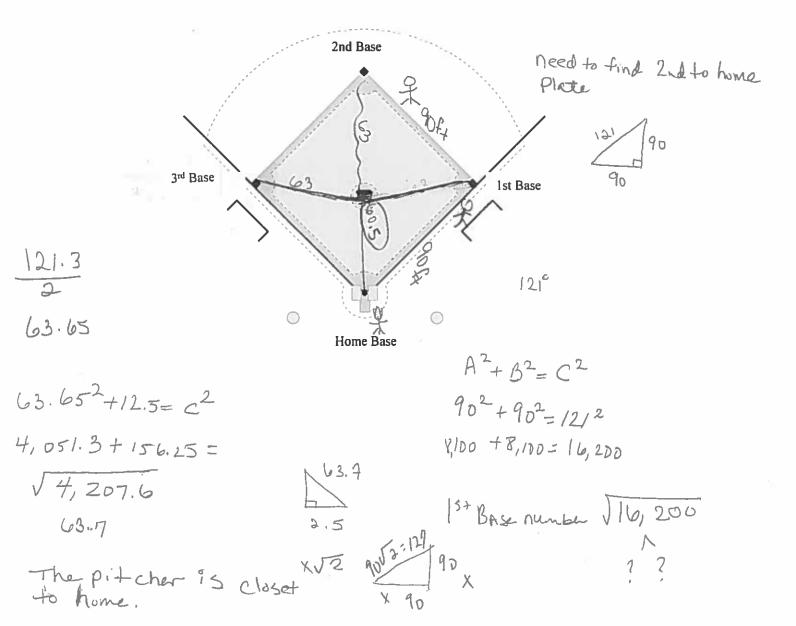


The four bases of a major league baseball field form a square which is 90 feet on each side. A drawing of the field is overlaid on a coordinate grid.

- The pitching mound is collinear to home plate and second base.
- · The pitching mound is not equidistant from each base.
- The pitching mound is 60.5 feet from home plate.

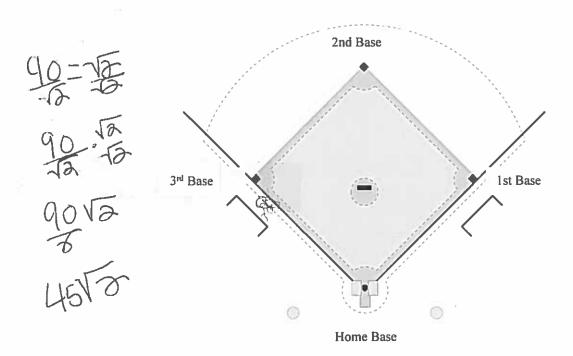




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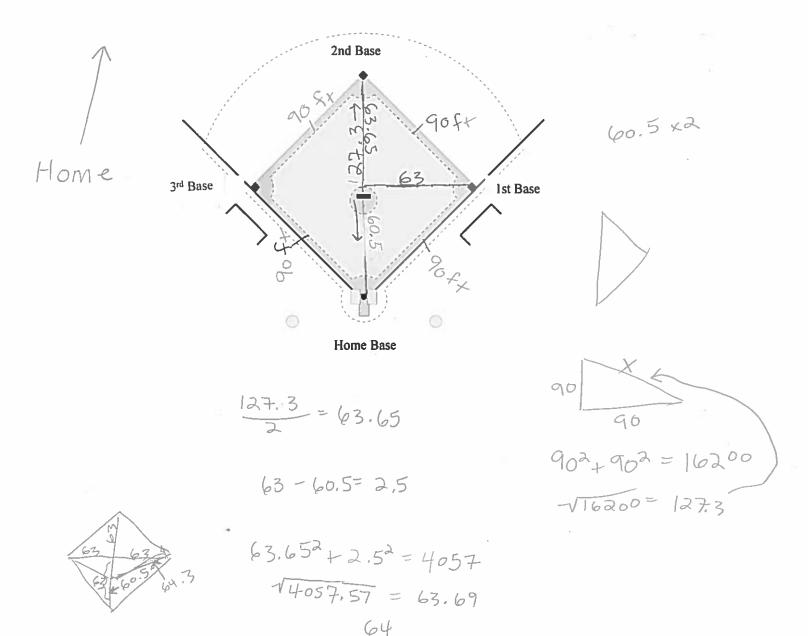
To which base is the pitcher closest? Mathematically justify your answer and provide a labeled diagram which models the problem and shows all variables to which you will refer.



Would the pitcher mound beat 2.5 Would 1st and 3rd be equal because the distance is the same How far Would 2nd from home

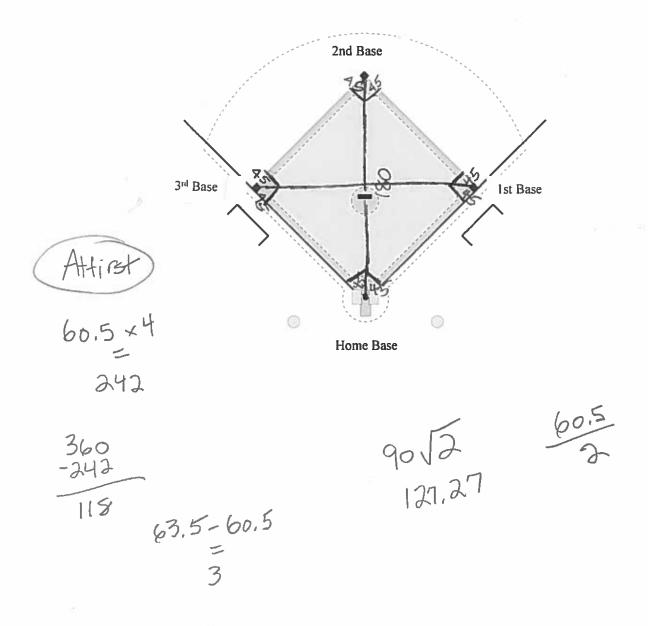
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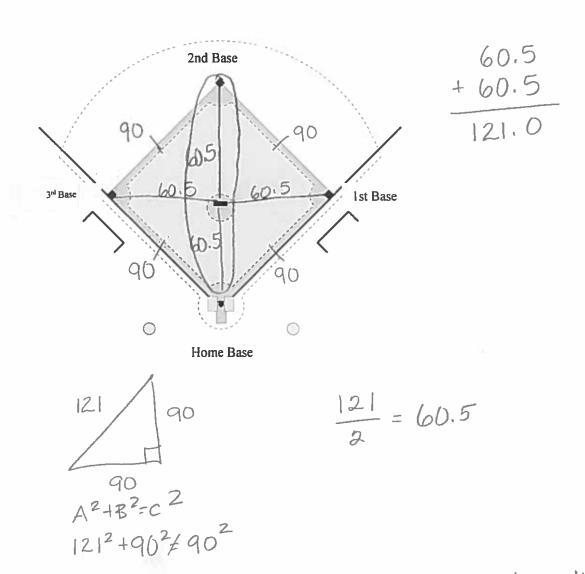
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It is closest to all the bases, because its in the middle.

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