

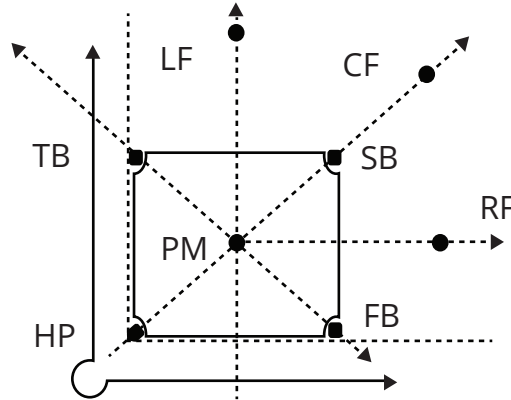
Baseball Field Angles 2

Name _____

Date _____

Angle Examples & Important Information:

- The Third Base, Home Plate, First Base angle is 90 degrees and is written as, \sphericalangle TB,HP,FB
- The First Base, Home Plate, Second Base angle is 45 degrees and is written as, \sphericalangle _____
- FB,HP,SB The First Base to Third Base line is at a right angle to the Home Base to Center Field line. The Left Field to Pitcher's Mound line is a right angle to the Pitcher's Mound to Right Field line.
- line The lines around all the bases back to home, make a perfect square.
- \sphericalangle TB, PM RF and \sphericalangle LF, PM, FB are each 135 degrees.



For each exercise, refer to the illustration above and write an angle addition equation

* Angle Notation naming is as follows: [\sphericalangle _____, _____, _____, _____]

[Angle symbol (\sphericalangle), Point on one side line, point of lines intersection, point on the other side line.]

EXAMPLE for: A sum of two angles to equal 135 degrees.

Equation: \sphericalangle TB,PM,CF (90 degrees) + \sphericalangle CF, PM, RF (45 degrees) = 135 degrees

Exercises:

1. A sum of two angles to equal 135 degrees.

2. A sum of two angles to equal 90 degrees.

3. A sum of two angles to equal 180 degrees.

Connections:

Considering exercises 1 through 3, what does it mean to "add" angles?
