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TotalExam

AC LDCE.

SI LDCE

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CAPF

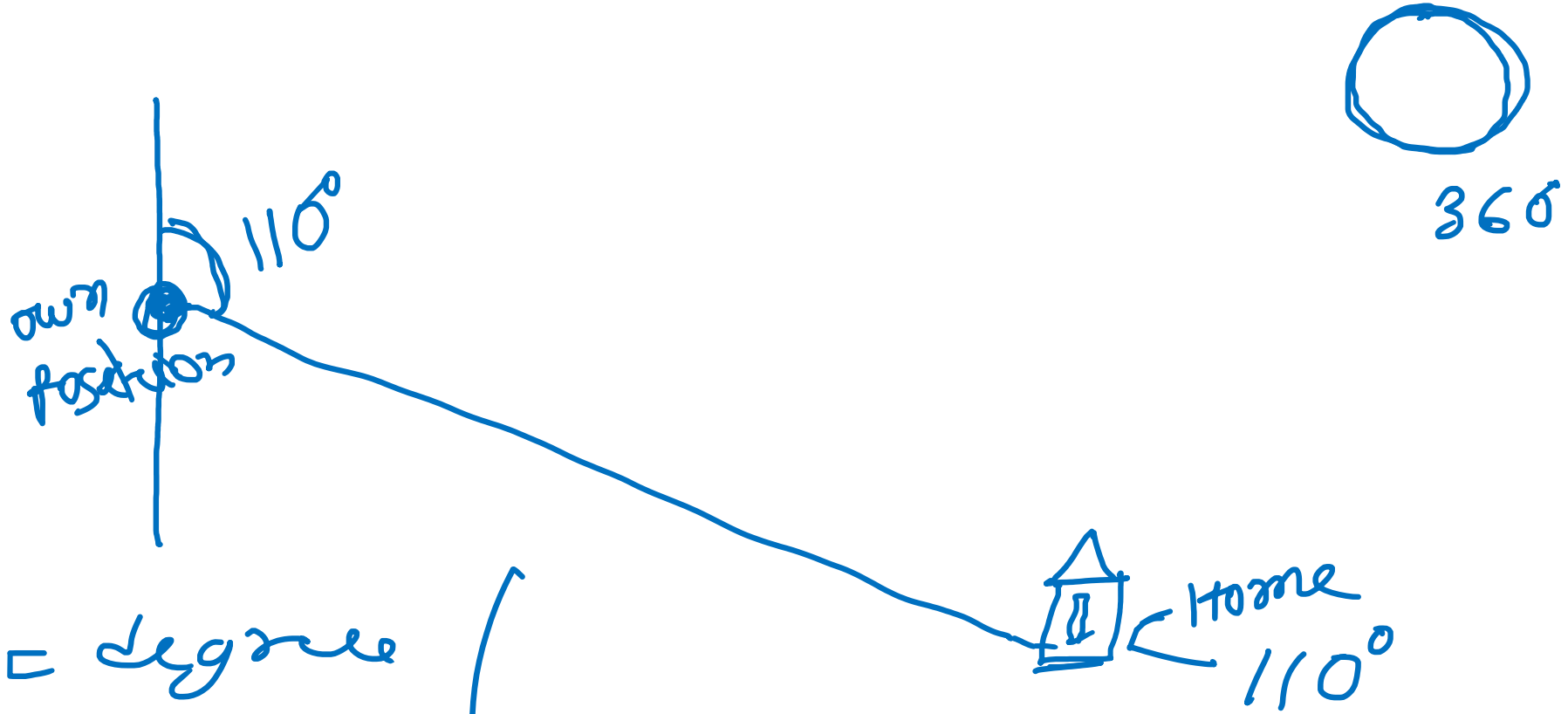
CRPF

Bearing

Force - map Reading - Bearing

↳ Conversion of bearing

Bearing



Bearing = degree

North line = ↑ X

TN

SBN

MN

110° from north line

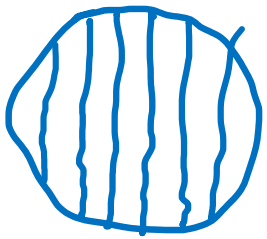
Bearing

- A bearing is a direction measured in degrees clockwise from north.
- Indicates the direction from your current location to a specific ~~locati~~ destination.
- Reading bearing clock-wise from north (TN, GN, MN)
- 100% ⇒ Bearing मे होगा।। कम-से कम एक north line रहेगा

Bearing

- Bearing हमेशा North line से घड़ी की दिशा में होती है

Type of norths - (3)

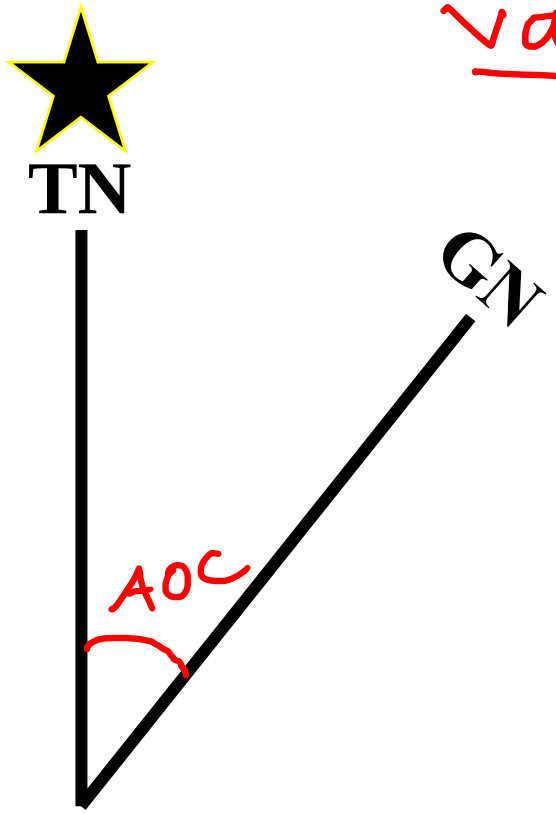
TN (True north) -  North pole - southpole connected
- map colour - Black

GN (Grid north) - color on map ⇒ लाल / पीला
(By service protector)

MN (Magnetic north) ⇒ By compass

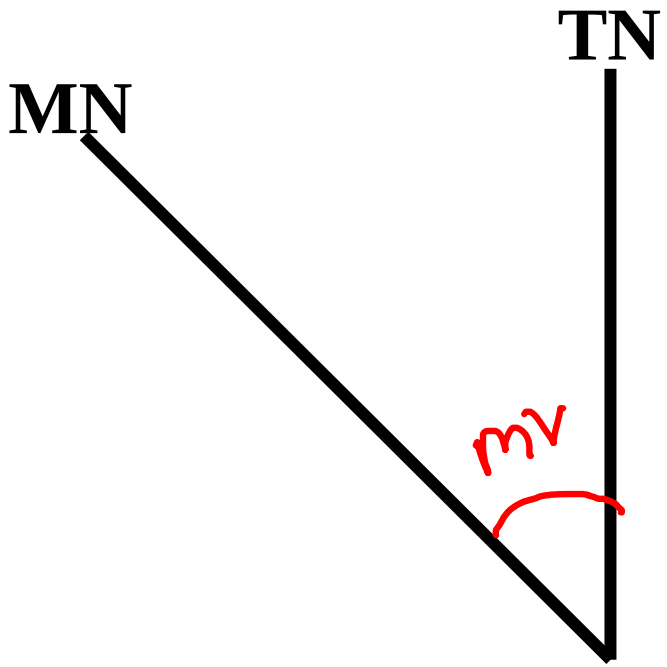
Bearing

Variation between North line



TN + GN = AOC

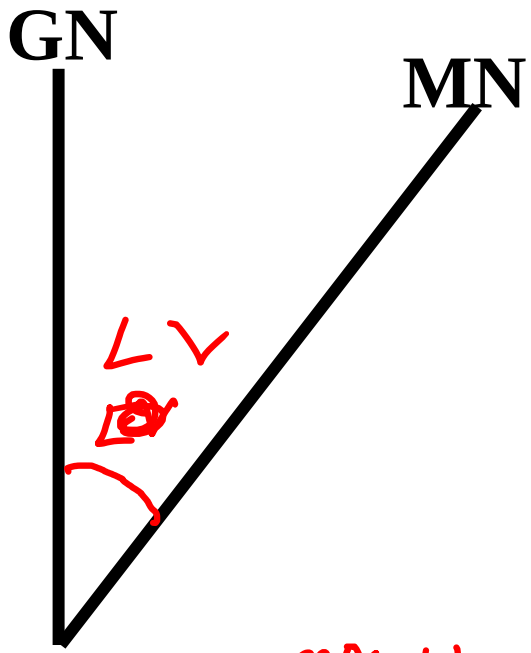
AOC = Angle of



Conversion

MN + TN = MV

MV = Magnetic variation



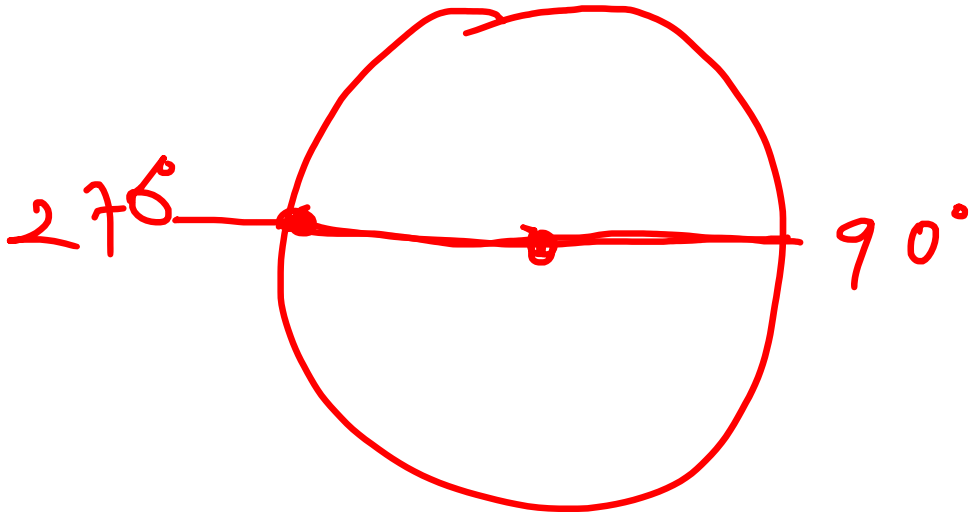
GN + MN = LV

LV = Local variation

Bearing

Bearing < FB (Forward Bearing)
BB (Back Bearing)

FB = 100°



FB + BB = 360°

Bearing

FB - 100°

BB = ?

BB = 90°

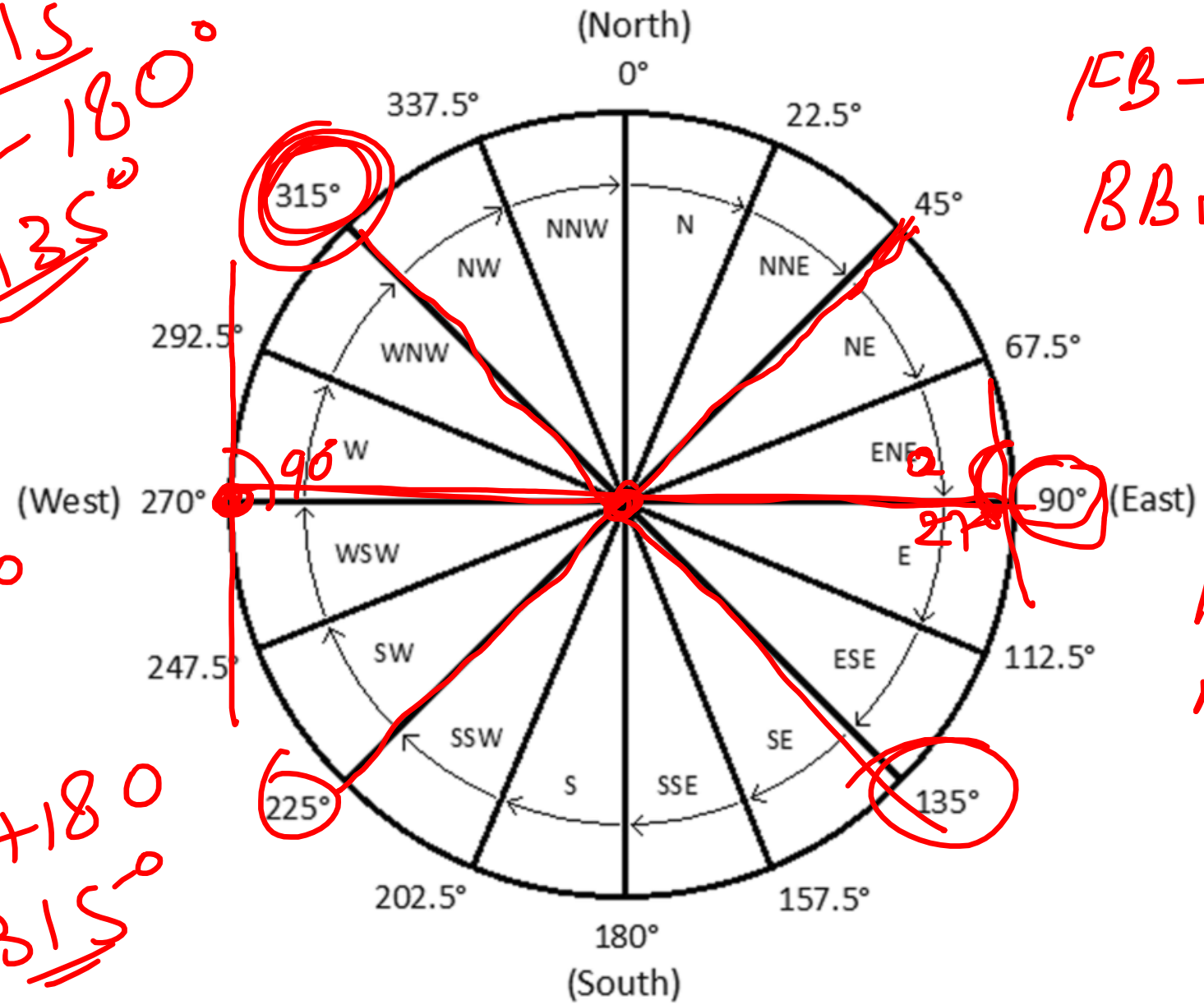
FB = ?

अगर FB 180 डिग्री से कम है तो BB निकालने के लिए FB 180(+) करेंगे अगर FB 180 डिग्री से ज्यादा है तो 180(−) करेंगे

FB = 180 + = − [180]

FB = 180 − = + [180]

Bearing



BB = 315°

FB = 315 − 180°

= 135°

FB − 90

BB = 90 + 180

= 270°

FB = 135°

BB = ?

BB = 135 + 180

= 315°

FB = 45°

BB = 45 + 180

= 225°

Bearing

Home work (4)

180 ± 180

(1) FB = 40°

BB = ?

BB = 40 + 180

= 220°

(2) FB = 200

BB = ?

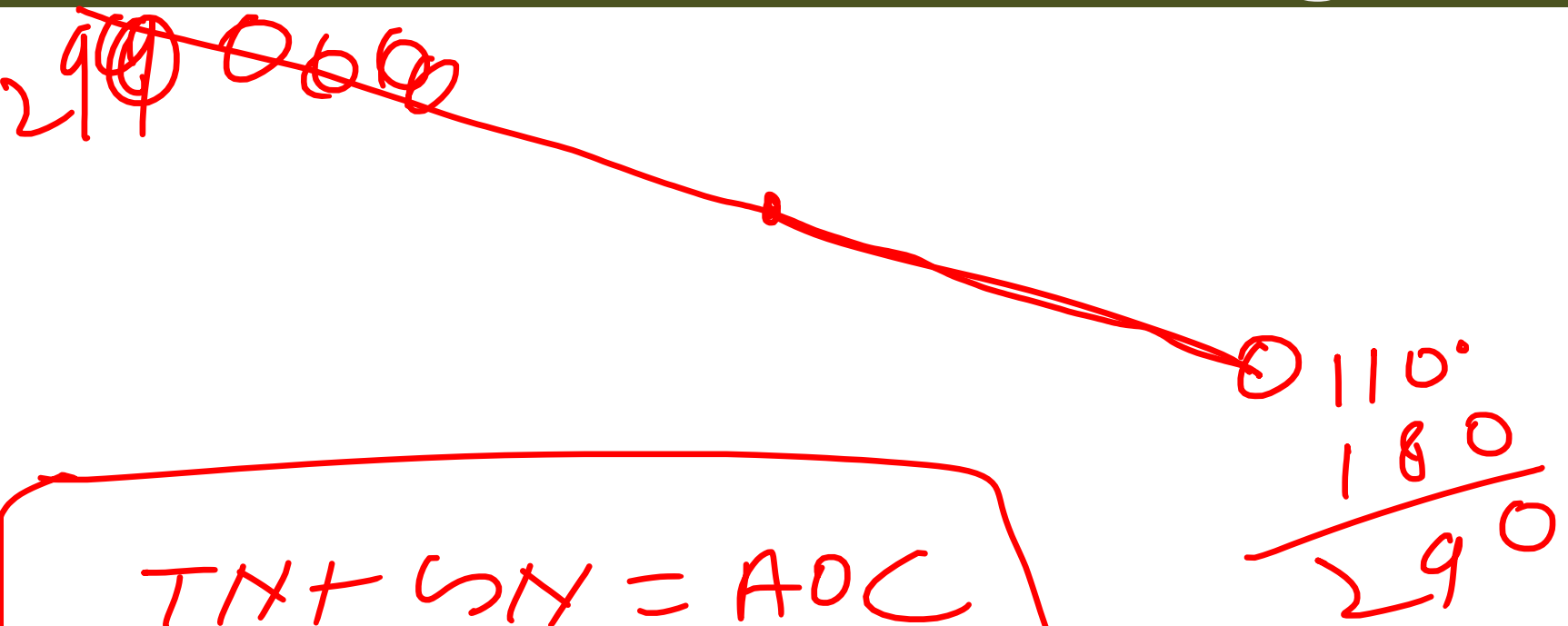
BB = 200 − 180 = 20°

(3) FB = 90°

BB = 90 + 180

= 270°

Bearing



$TN + SN = AOC$

$PN + TN = PV$

$SN + PN = LV$

Total Exam Plus

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