Since 12 14 11 = 1= 14 52 1 ~1 (csa)= gg = 10 xa 25 = w length: In 56m (1) three solid iron balls are melted to form a strate sold ron ball. The radii of there balls are 6 cm, 8 cm, 16h what will be radius of new ball force 000 土木でもらりをうないうことをう Height Argle of elevation & Depression B A Fine of sign reade of depres angle of devoter angle follows of we mave to words B it decien DBA 11 BAC So both are equal

Tree , building , Tower always perrad; alm Snadow Cast - godag-a until give Back of it in - consider two ords bosi Paralli. 60 45 1/2 53/2 1 53/2 1/53 1/5,20 = 601100 1 1/ (0)0 = SIC 0 1/1 and = Roll The angle of elevation of the top of the free Centain Point is A5 deg. If observer noves 30 m sounds to tru, the age of elevation be ones 60 degrew, what is higher of tree tan 60 = 1 : 53 S ha 30 /3 DCAB torAS = h 30+ DA 1-h 2 h= 30 th 30+00 30 5 (501) 70.95 m

- Solid

, 10h.

True tops angle of claration is 30 from a Point or ground 300 m away from trae. We the tree acoust its and of cleresta po con to from some point. Low much did truly Tracor torbo: 24h

tor30: 1

300

1: h 2300 m

Tracor 1 = h +2 30° m o(+ 300 - 300 53 200537 3) There is a town of com between two forrald roads. The argies of defression from top of h Lower are 30 and As . Low fare one the roads AD2 la AB-, AD+DB2 10 +10 by AB2 27.3 m 4) Ramest & Sorost's mud forts have leight for E 15cm. They are 24 cm apart. Low far as

the fort tops from condant

AD = FCM CM = 15 m

CF 2 15-8 = 7 m

ACF 2 15-8 = 7 m

ACF 2 15-8 = 7 m

H = 25cm w

DL

H = 25cm w

5.) Goddi was 1000 ~ oma too of the 406 of 7 tremall, to 9 of 3 iti bro lan vi DOA 6 tand DACI toro: A light

Dailin Saili on fo dapre minut

10

Inacon

IN D CAR

h (5.

m a 5) Goddi was standing or avoid now a mall. The war to so of else so so the este con top of the rall from the road in soll away that top of the tree orbid in between her and seemall was exactly in land sight will to of the mall. The tree leight in lon and it is so or away from could: How tall lan is DDA 6 tand = DE = 10 =1 4 7 Ja DACB toro: (n) alel 1000 = 1 = CB = Soon ady of evidence of blind is senot theil A of sailing shop. It observes that a ship " sailing downds it is straight his of oniform speed. It also notices the angle cook despression de charge from 30 to 40 1/13 ninter. Low soon will be ship rook lighthon Indian tanas = h=1 h=y -0 h(5-1)=1) h= 15 hir 20.99 nor

F) Ran stards or the top of a building and observes a lor going among from the Sould when the con is born from building, argle of depression in 45 hegree. Adden 5501). It is to dogue and of in speed of a Bei Asi 60x In COD for 4) = h = 1 1-60 n 605: AD+60 DC AB for 30 = 60 60 55 NO : 60 (1.73-1) 605 = ANECO 5=D= +3.50 7 5500 8.7 mb y a Kmph = 31.50 Km 8.) Angles of elevation of Pole and 60° and 45° from points of distantes mand my on grown respectively. Here on when reasured from drong of the pole is less than in, what in feight of the poli DCAM: tonAs: CM 21 -0 181 m = 18 (3) CU + 10 5 /2 /2 /2 (m: Jm 55)

Exponer log for

EAP to

1091

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