ULTIMATE MATHENATICS + (BY: AJAY MITTAL: 9891067390)

TRIGIONOMETRY.

I (0 to 90) (180 ho 270) (270 to 360)

- ULTIMATE MATHEMATKS

(BY: AJAY MITTAL: 9891067390)

(2,90) (4,490) (even murbrer of 90)

WITIMATE MATHE MATICS + (BY: AJAY MITTAL : 9891067390)

(1)
$$S_{1}n(180^{\circ}-0) = S_{1}n0$$

Chica left acute
(1) $ten(270^{\circ}+0) = -cot0$
Ly. (3) $Sec(270^{\circ}-0) = -cot0$
Ly. $S_{1}n(120^{\circ}) = S_{1}n(90^{\circ}+30) = cos(30) = \frac{1}{2}$
 $= S_{1}n(180^{\circ}-60^{\circ}) = S_{1}n(60^{\circ}) = \frac{1}{2}$
 $= S_{1}n(180^{\circ}-60^{\circ}) = S_{1}n(60^{\circ}) = \frac{1}{2}$
(5) $cot(30^{\circ}) = cot(360^{\circ}-45) = -cot(45)$

MATHE MATICS -- ULTIMATE

(BY: AJAY MITTAL: 9891067390)

900) 7650

ONS: 1 - show that cos(510°) . cos(330°) + sin(390°) cos(120°) = -1 CN: 2 - Show that cos(660) sin (330) - Sin (420) cos (390) =-1 One 3+ 8how frat for (225) cot (405) + torn (765) cot (675) =0 ONI 4+ Show that tan (720) - cos(270) - sin (150).cos(120) = 4 ON 5 = 8 new fact 25 n2 (2) + cosec2 (7) - cos2 (3) = 3 Ou 6 = Show that ten (113) - 25in (42) - 3 (Ouc 2 (2) + 4 (co2 (173))
= 3-45 ON.7 * Snow that <u>CO(7+x)</u> COX = COt2x Sin(7-x) CO(2+x) ON. 8 + Show frat (05(27+0). (080 (27+0) ton (2+0)

Sec(2+0) (050 (0+(2+0)) 04.9 + Snow tred Sin(186+0).cos(90+0) ten(270-0) cot(360-0)=1

Sin(360-0).cos(360+0) cox(0.cos(360-0) Our 10 + 3 now trust cos(37 +x). cos(27+x) (cot(37+x) + cot(27+x))= Out 11 + Find x from the quation

= (acc (90+0) + x cal (ot (90+0) = Sn (90+0)

Ans x = tmo

Out 2+ Find x from the quation

x cot (90+0) + ton (90+0) . Sno + casec (90+0) = 0 Ans x = Sing On 13 = 7 A, B, c. D be the angles of a Cyclic quadevalual

Shows that cos(180-A) + cos(180+B) + cos(180+c)

-x- - Sin(90+D)=0