TUES 1-22-08

(25) .9828

(26) .3047

(27) 206°45'
333°15'

(28) 115°40'
244°20'

(29) 110°42'
290°42'

(30) 135°24'
224°36'

(31) 241°3'
298°57'

(32) 165°58
345°58'

(33) 221°59'
318°1'

(34) 129°14'
230°46'

(35) 198°49'
341°11'

(2)

SHOW "GIFT" OF
LIFE B.C.
(THAT IS, BEFORE CALCULATORS)

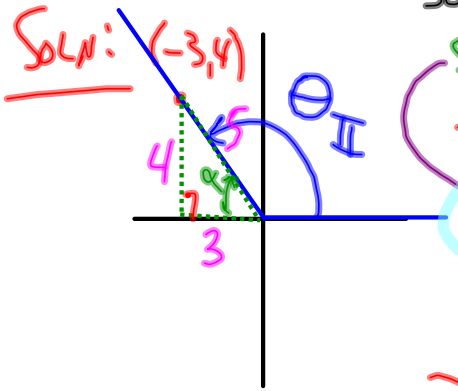
Ex) GIVEN A POINT ON THE TERMINAL SIDE OF θ, (3)

FIND: $\sin\theta$, $\cos\theta$, $\tan\theta$, & θ TO THE NEAREST MINUTE.

GIVEN: TERMINAL SIDE CONTAINS: $(-3, 4)$

SOH-CAH-TOA

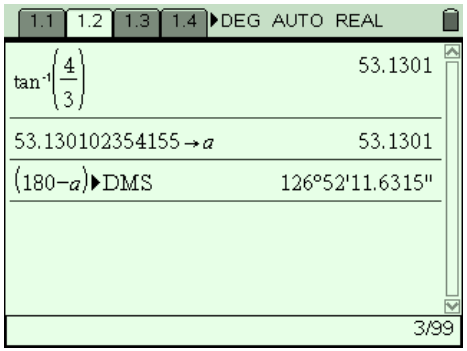
SOLN:



$\sin\alpha = \frac{4}{5}$ $\cos\alpha = \frac{3}{5}$ $\tan\alpha = \frac{4}{3}$

$\sin\theta_{II} = \frac{4}{5}$ $\cos\theta_{II} = \frac{-3}{5}$ $\tan\theta_{II} = \frac{-4}{3}$

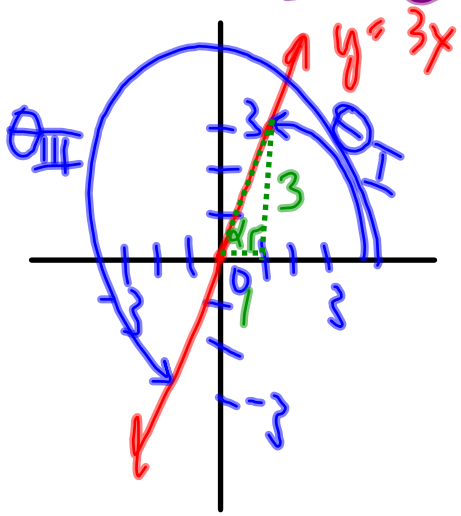
SAFEST TO USE? $\tan\alpha = \frac{4}{3}$

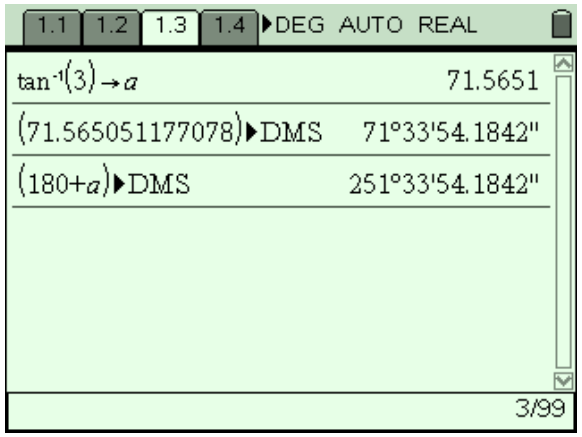


$\theta_{II} \approx 126°52'$

Ex) GIVEN: TERMINAL SIDE OF θ LIES ALONG $y = 3x$. FIND ALL POSSIBLE VALUES FOR θ: $0° \le \theta < 360°$. (4)

$\tan\alpha = \frac{3}{1}$





$\theta_I \doteq 71°34'$

$\theta_{III} \doteq 251°34'$

O.T.C.

*CORRECT LAST 2 DAYS' O.T.C. BRING?

- PAGE 37 36-38 (ALL)

39-47 (ODD)

#3 G