

TUES 1-22-08

①

②⑤ .9828

②⑥ .3047

②⑦ $206^{\circ}45'$
 $333^{\circ}15'$

②⑧ $115^{\circ}40'$
 $244^{\circ}20'$

②⑨ $110^{\circ}42'$
 $290^{\circ}42'$

③⑩ $135^{\circ}24'$
 $224^{\circ}36'$

③⑪ $241^{\circ}3'$
 $298^{\circ}57'$

③⑫ $165^{\circ}58'$
 $345^{\circ}58'$

③⑬ $221^{\circ}59'$
 $318^{\circ}1'$

③⑭ $129^{\circ}14'$
 $230^{\circ}46'$

③⑮ $198^{\circ}49'$
 $341^{\circ}11'$

SHOW "GIFT" OF

LIFE B.C.

(THAT IS, BEFORE CALCULATORS)

②

Ex) GIVEN A POINT ON THE TERMINAL SIDE OF θ 3
 FIND: $\sin \theta$, $\cos \theta$, $\tan \theta$, $\hat{=}$ θ TO THE NEAREST

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

SOLN: $(-3, 4)$

SOH-CAH-TOA

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

$\sin \theta = \frac{4}{5}$

$\cos \theta = \frac{-3}{5}$

$\tan \theta = \frac{-4}{3}$

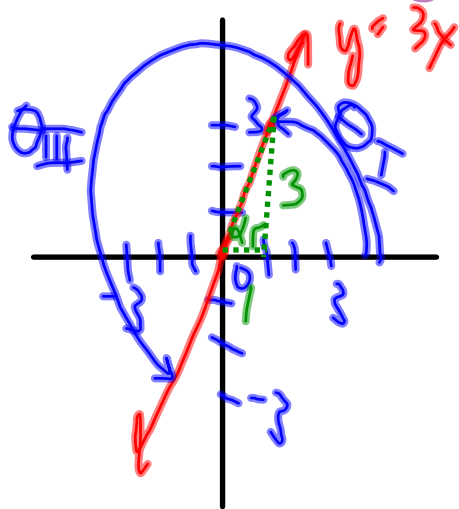
SAFEST TO USE? $\tan \alpha = \frac{4}{3}$

1.1	1.2	1.3	1.4	DEG AUTO REAL
$\tan^{-1}\left(\frac{4}{3}\right)$				53.1301
53.130102354155 $\rightarrow a$				53.1301
$(180-a) \rightarrow$ DMS				126°52'11.6315"
3/99				

$\theta = 126^{\circ}52'$

Ex) GIVEN: TERMINAL SIDE OF θ LIES (4)

ALONG $y = 3x$. FIND ALL POSSIBLE VALUES
FOR θ : $0^\circ \leq \theta < 360^\circ$. $\tan \alpha = \frac{3}{1}$



1.1	1.2	1.3	1.4	DEG AUTO REAL
tan ⁻¹ (3) → a				71.5651
(71.565051177078) ▶ DMS				71°33'54.1842"
(180+a) ▶ DMS				251°33'54.1842"
3/99				

$$\theta_I = \underline{\underline{71^\circ 34'}}$$

$$\theta_{III} = \underline{\underline{251^\circ 34'}}$$

O.T.L.

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

PAGE 37 36-38 (ALL)

39-47 (ODD)

3 G