

THUR 9-15-05

# THE SHORT GIFT

① 4.907

⑤ .064

② 1.946

⑥ 2.970

③ 2.280

⑦ 3.703

④ 46.210

⑧ .850

⑨  $y = 10^x$

$D = \mathbb{R}$

$R = \{y: y > 0\}$

$y = \log(x)$

$D = \{x: x > 0\}$

$R = \mathbb{R}$

⑩  $y = e^x$

$D = \mathbb{R}$

$R = \{y: y > 0\}$

$y = \ln(x)$

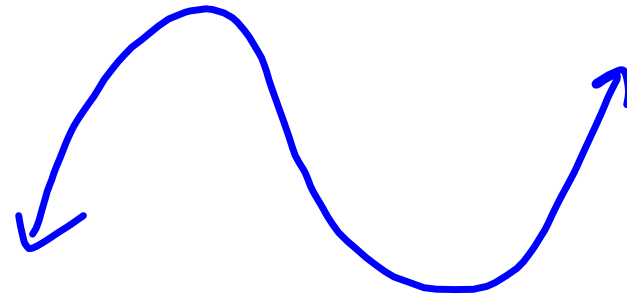
$D = \{x: x > 0\}$

$R = \mathbb{R}$

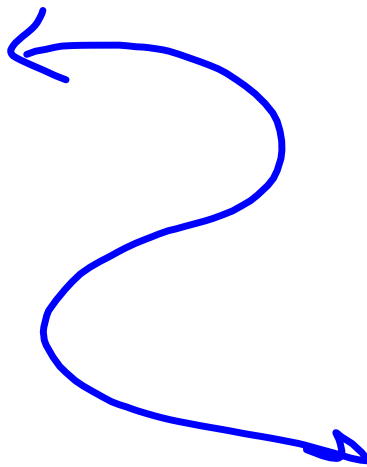
? P.39

$$\textcircled{9} y = x^3 - 4x + 6$$

INV:  $x = y^3 - 4y + 6$



$\textcircled{29}$



# TRIG 1.6

Ex) FIND  $\theta$ ,  $\sin\theta$ ,  $\cos\theta$ ,  $\tan\theta$ ,  $\sec\theta$ ,  $\csc\theta$ ,  $\cot\theta$

GIVEN:  $\theta = \cos^{-1}\left(-\frac{3}{5}\right)$

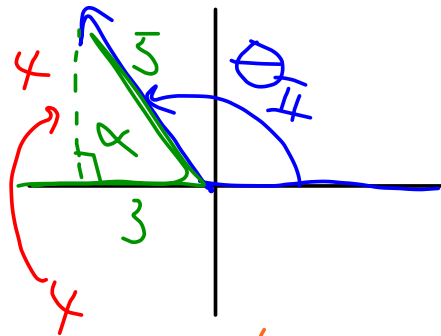
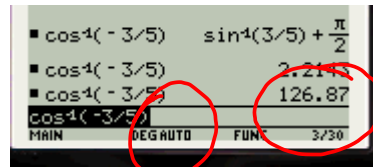
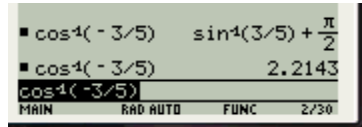
$\cos\theta = -\frac{3}{5}$

$0 \leq \theta^R \leq \pi$

$0^\circ \leq \theta^\circ \leq 180^\circ$

$\theta = 126.87^\circ$

$\theta_{II} = 2.214^R$



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

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

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

$\cos\alpha = \frac{3}{5}$

SOH - CAH - TOA

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

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

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

P.49  


---

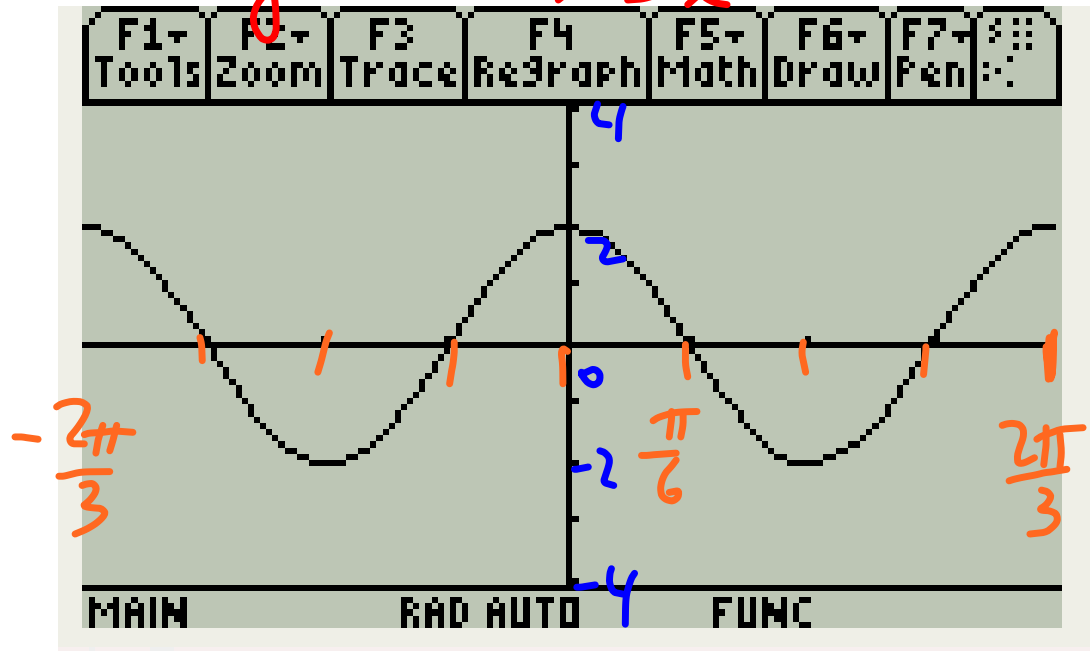
 12

c) WINDOW

$$X \left[ -\frac{2\pi}{3}, \frac{2\pi}{3} \right] \frac{\pi}{6}$$

$$Y [-4, 4] \frac{\pi}{6}$$

$$y = 2 \cos 3x$$



a) Period =  $\frac{2\pi}{3}$       b) Amp = 2

O.T.L.

P 48-9 QUICK REVIEW 1, 3-7

EXERCISES 11-16, 21, 23

ANALYZE & GRAPH 1 PERIOD:

a)  $y = 2 \sin x + 1$     b)  $y = -3 \cos 2x$

c)  $y = \frac{1}{2} \cos\left(2x + \frac{\pi}{4}\right) - 1$

QUIZ MON. 1.3, 1.5, 1.6, TRIG REVIEW

R  $\rightarrow$  DEG

$$\pi^R = 180^\circ$$

$$\frac{\pi}{180} = 1^\circ$$