

11-1

Solving Trig Equations

Hw ✓

Skull ✓ 12 min or so - Tuesday, since 1/2 day?

Go through Friday's examples, show how to get answers from a calculator.

CALCULATOR ONLY GIVES 1 OF 2 ANSWERS!!!

Remind how to find 2nd answer (think of quadrants & signs, use reference L's)

CW/HW - what's

1st problem from yesterday

$$2 \sin x - 1 = 0 \quad [0^\circ, 360^\circ] \quad \text{vs.}$$

$$2 \sin x = 1$$

$$\sin x = \frac{1}{2}$$

$$x = 30^\circ, 150^\circ$$

decimal answer so calc. is useful

$$4 \cos x - 1 = 0 \quad [0^\circ, 360^\circ]$$

$$4 \cos x = 1$$

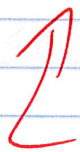
$$\cos x = \frac{1}{4}$$

$$x = 75.5225^\circ$$

$$104.4775^\circ$$

$$284.4775^\circ$$

Extra answers



Notes from before
not sure about extra answers