Hour: _____ Date: _

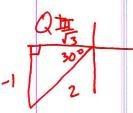
Solving Trig Equations Notes II

Review from Monday:

Find both solutions to the following equations for $0^{\circ} \le \theta \le 360^{\circ}$.

$$sin\theta = -\frac{1}{2}$$

QIV



What if we have equations that aren't quite as "nice"?

trig function alone first!

Examples: Find both solutions to the following equations for $0^{\circ} \le \theta \le 360^{\circ}$.

$$1) \frac{4\sin\theta}{4} = \frac{2}{4}$$

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

2)
$$4\cos\theta - 2\sqrt{3} = 0$$

+ $2\sqrt{3}$ + $2\sqrt{3}$

$$\frac{4\cos\theta}{4} = 2\sqrt{3}$$

$$\cos\theta = \frac{\sqrt{3}}{2}$$

3)
$$100 \tan \theta + 100 = 0$$

