U2:L2 Trig Ratios

On the following plane, draw a terminal arm that connects to point (3,4).

Create a triangle with the x-axis.

Solve for:



Rotate the triangle into the other three quadrants and complete the following table:

	QII	QIII	QIV
SIN	4=0.8	-4=-0.8	5=-08
COS	13=-06		3-=06
TAN	4-3=-1.3	21 m	-413

From this table we can see the following patterns:



Quadrant info:



Examples:

- Draw the angle and triangle in standard position
- Write out the trig ratio
- Solve





Sometimes you will now the sine, cosine or tangent of \bigcirc angles. If so...

PRACTICE: Pages 96-99 (Q 3, 4, 5, 6, 8, 11, 18, 25)