PC 5-2

Learning Target: Find the values of the 6 trig functions from a reference triangle. Learning Target: Use the unit circle to find values of the 6 trig functions.			
1) Given a point P(3,4) that lies on the circumference of a circle, draw a reference triangle and find the value of the six trig functions.	2) Given a point P(6,10) that lies on the circumference of a circle , draw a reference triangle and find the value of the six trig functions.	3) Given a point P(-3,5) that lies on the circumference of a circle, draw a reference triangle and find the value of the six trig functions.	4) Given a point P(-2,-7) that lies on the circumference of a circle, draw a reference triangle and find the value of the six trig functions.
5) Given $\theta = \frac{\pi}{6}$, , find the value of all six trig functions using the unit circle.	6) Given $\theta = \frac{\pi}{4}$, , find the value of all six trig functions.	7) Given $\theta = \frac{\pi}{3}$, , find the value of all six trig functions.	8) Given $\theta = \frac{5\pi}{4}$, , find the value of all six trig functions.
9) Given $\sin(\theta) = -\frac{4}{11}$ and $\tan(\theta) < 0$. a) Draw a reference triangle in the correct quadrant. b) Use the reference triangle to find the value of all six trig functions.		10) Given $\cos(\theta) = -\frac{2}{5}$ and $\tan(\theta) > 0$. a) Draw a reference triangle in the correct quadrant. b) Use the reference triangle to find the value of all six trig functions.	

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