Integrated Math 3
Unit 4: Trig. Representations \& Modeling 4.9 Worksheet

Name: $\qquad$
Date: $\qquad$ Period: $\qquad$

## Continued Practice with Right Triangles

1. Let P be a point on the terminal side of $\theta$. Draw a picture and find the three trig functions of $\theta$.
A.) $(-15,8)$
$\sin \theta=$
$\cos \theta=$
$\tan \theta=$

B.) $(-7,-24)$
$\sin \theta=$
$\cos \theta=$
$\tan \theta=$

2. Find the exact value of the three trig functions of an angle $\theta$, in standard position, given the following information:
A.) $\sin \theta=\frac{-1}{2}$; terminal side of angle $\theta$ lies in quadrant IV
B.) $\cos \theta=\frac{-5}{13}$; terminal side angle $\theta$ lies in quadrant II
C.) $\tan \theta=1$; terminal side of angle $\theta$ lies in quadrant III
