**Given one trig ratio, find the remaining 2 ratios.**

11) *Given* $\sin\theta = \frac{1}{4}$ *and* $\cos\theta$ *is negative.*

II $\quad \cos\theta = \frac{-\sqrt{15}}{4}$

$\tan\theta = \frac{-\sqrt{15}}{15}$

12) *Given* $\tan\theta = -\frac{5}{3}$ *and* $\cos\theta$ *is positive.*

IV $\quad \sin\theta = \frac{-5\sqrt{34}}{34} \qquad \cos\theta = \frac{3\sqrt{34}}{34}$

13) *Given* $\cos\theta = -\frac{4}{5}$ *and* $\tan\theta$ *is positive.*

III $\quad \sin\theta = \frac{-3}{5}$

$\tan\theta = \frac{3}{4}$

14) *Given* $\cos\theta = \frac{3}{7}$ *find all possible* $\sin\theta$ *and* $\tan\theta$.

I + IV $\quad$ I $\quad \sin\theta = \frac{2\sqrt{10}}{7}$ $\qquad$ IV $\quad \sin\theta = \frac{-2\sqrt{10}}{7}$

$\tan\theta = \frac{2\sqrt{10}}{3} \qquad \tan\theta = \frac{-2\sqrt{10}}{3}$