

Quiz 14

Name _____

For questions 1 through 3, let $\sin(\alpha) = \frac{4}{5}$ $\cos(\beta) = -\frac{8}{17}$

1. Find $\sin(\alpha + \beta)$

2. Find $\cos(2\alpha)$

3. Find $\cos\left(\frac{\beta}{2}\right)$ given $\frac{\pi}{2} < \beta < \pi$

4. Find $\sin\left(\tan^{-1}(x) + \sin^{-1}\left(\frac{3}{5}\right)\right)$