Zadatak 2. Odredi u radijanima mjeru komplementa kuta φ ako je:

1) $\varphi = \frac{\pi}{3}$; **2)** $\varphi = \frac{5\pi}{12}$;

3) $\varphi = \frac{3\pi}{8}$; **4)** $\frac{4\pi}{9}$.

Rješenje. α i β komplementarni kutovi $implies \alpha + \beta = \frac{\pi}{2}$

1) $\varphi = \frac{\pi}{3} \implies \varphi' = \frac{\pi}{2} - \frac{\pi}{3} = \frac{3\pi - 2\pi}{6} = \frac{\pi}{6}$;

2) $\varphi = \frac{5\pi}{12} \implies \varphi' = \frac{\pi}{2} - \frac{5\pi}{12} = \frac{6\pi - 5\pi}{12} = \frac{\pi}{12}$;

3) $\varphi = \frac{3\pi}{8} \implies \varphi' = \frac{\pi}{2} - \frac{3\pi}{8} = \frac{4\pi - 3\pi}{8} = \frac{\pi}{8}$;

4) $\varphi = \frac{4\pi}{9} \implies \varphi' = \frac{\pi}{2} - \frac{4\pi}{9} = \frac{9\pi - 8\pi}{18} = \frac{\pi}{18}$.