Professor: Fred Khoury

- 1. Find the area of the region bounded by the graphs of $f(x) = \cos x$, $g(x) = \sin x$, $0 \le x \le \frac{\pi}{2}$
- 2. Find the area of the region bounded by the graphs of $y^2 = 2x + 6$, y = x 1
- 3. Find the area of the region bounded by the graphs of $y^4 = x$, $y = \sqrt{2-x}$, y = 0

- 1. $2\sqrt{2}-2$
- 2. 18
- 3. $\frac{22}{15}$