- 1.) Approximate  $\int_0^6 e^x dx$  using
- (a) 3 inscribed rectangles of equal width.

(b) 3 circumscribed rectangles of equal width.

- 2.) Approximate  $\int_{-2}^{2} (x^2 4) dx$  using
- (a) 4 inscribed rectangles of equal width.

(b) 4 circumscribed rectangles of equal width.

- 3.) Approximate  $\int_0^{\frac{\pi}{2}} \cos(x) dx$  using
- (a) 2 inscribed rectangles of equal width.

(b) 2 circumscribed rectangles of equal width.