

# CH. 2 SOLUTIONS - EVENS

## Sect 2.1 p.56

(10)  $7, \pm i\sqrt{7}$

(24)  $-12$

(26)  $64$

## Sect 2.2 p.61

(18)  $3x^4 - 4x^3 + 6x^2 - 2x - 9$

(24)  $\frac{1 \pm i\sqrt{7}}{2}$

## Sect 2.3

(30)  $y = x(x-1)(x-2)$

(32)  $y = -\frac{3}{2}(x+1)^2(x-1)(x-2)$

## Sect 2.4 p.71

(2)  $400 \text{ cm}^2$

(10) a) 6 sec  
b)  $0 \leq t \leq 6$   
c) 61.25 m

(12) 5 days

p.72

(2) a) Show  
b)  $0 < x < 5$   
c)  $x \approx 2.11$

$V \approx 96.22 \text{ cm}^3$