

p.52 - 54

# 34 approximate length = 11.6 m

# 39 a. approximate time = 25 s

b. approximate time = 80 s

# 40 a. approximate max. height = 121.5 m

b. approximate time = 5.5 s

# 41 a. zero revenue at  $10^{\circ}\text{C}$  and  $-40^{\circ}\text{C}$

b. max. revenue at  $-15^{\circ}\text{C}$

# 49 width = 10 m

p.57 # 60 a. minimum height = 4 m

b. initial height = 40 m

c. time = 12 s

d. time = 20 s

p.44

# 2. 8:00 p.m.

# 6 a. max. revenue of \$45/tree at 10 weeks

b. zero revenue at 40 weeks