

Lesson 5-7

1. a. $y = -210x^2 + 2230x + 636$

b. 4250 feet

c. 5950 feet

d. 6550 feet at 5.3 hours

e. 3.7 and 6.9 hours

2. a. $y = -103.3x^2 + 50x + 563.3$

b. 250 feet

c. 569.4 feet at 0.24

d. no

3. a. $y = 0.01x^2 - 1.1x + 84$

b. 56 cents

c. 14.7 and 95.3 mph

d. 53.75¢ at 55 mph