



**2.** People have attempted to catch baseballs dropped from very tall buildings. A baseball has a terminal velocity of 95mph. If dropped from the rooftop of the Empire State Building,

a. How fast will the ball be going when it is caught ?

b. How long does it take to reach the ground?

**3.** A baseball is thrown straight up at 60 mph.

a. How high does the ball go?

b. How long does it take to reach maximum altitude?

c. How long does it take to return to earth?

d. How fast is it going when it reaches the person throwing it?