

Free Fall Problem Set

Name: _____

1. A ball is dropped off a 20.5 meter rooftop. What will the velocity of the ball be just before it hits the ground?
2. A sky diver jumps out of an airplane and falls for 6.5 seconds before pulling his parachute. How far has he fallen in that time?
3. A physics student throws his book off of a rooftop. If the book fell a total distance of 3.1 meters and it took .45 seconds for it to hit the ground, what was the speed of the book when it left the student's hand?
4. A ball is thrown straight up in the air. If it is in the air for 3.2 seconds, how high did the ball reach?

