

AP Physics – Great, More Homework – 3

What you are called

Per



Computers in the future may weigh no more than 1.5 tons. -- Popular Mechanics, 1949

1. A race car accelerates at a rate of 15.6 m/s^2 . If it starts from rest, how much time till it is traveling at 325 km/h ?
2. A truck falls off a cliff. If the cliff is 33.5 m high, how much time for the truck to reach the bottom?
3. You toss a ball straight up in the air, it goes up, comes down, and you catch it. If it took 5.6 s from when you threw it to when you caught it, how high did it go?

