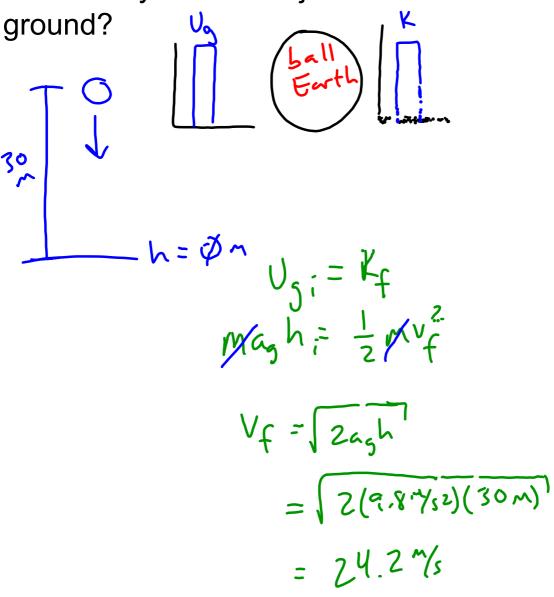
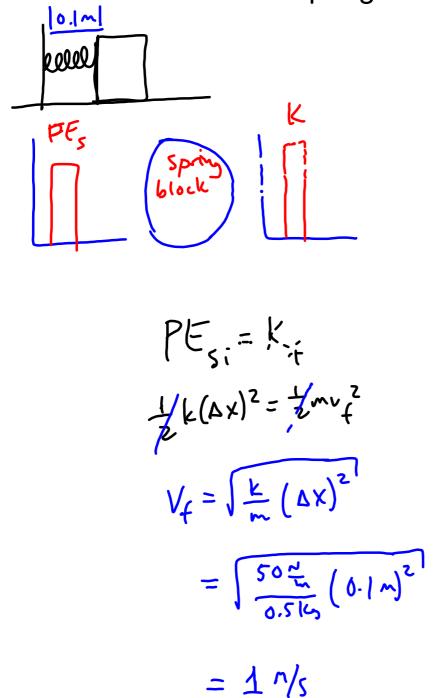
A ball is dropped from a height of 30 m. What is the velocity of the ball just before it hits the



A 0.5 kg block is attached to a spring on a frictionless surface, and the spring is compressed by 10 cm. If the spring constant of the spring is 50 N/m, what is the velocity of the block as it leaves the spring?



A ball is launched vertically upward with an initial velocity of 20 m/s. How high is the ball at the top of the flight?