Work and Energy
PHYS 2425

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1. Conceptual Questions

Refer to last week's conceptual questions.

2. Work and Energy Problems

Note: Work through problem 2 from last week.

1. A block of mass m is sliding on a frictionless plane with some velocity v. It then encounters a spring with spring constant k. The block compresses the spring, and rebounds the other direction. How much does the spring get compressed by? If the block eventually runs into a frictionless ramp, how far along the ramp will it travel before it's velocity is 0? The ramp makes the angle θ with the horizontal.