

NAME _____

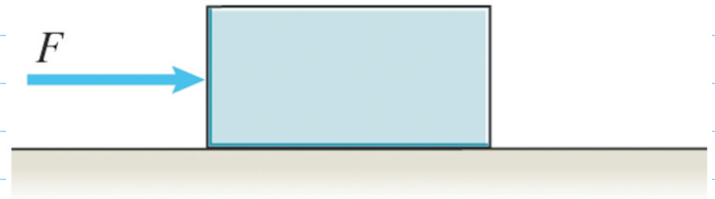
DATE _____

WEEK: _____

PROBLEM: _____

GIVEN:

The 20-lb box is at rest on the horizontal surface when the constant force $F = 5$ lb is applied. The coefficient of kinetic friction between the box and the surface is $\mu_k = 0.2$. Determine how fast the box is moving when it has moved 2 ft from its initial position (a) by applying Newton's second law; (b) by applying the principle of work and energy.

**REQUIRED:****SOLUTION:**