

Work Done by Gravity 3

- Example 3: Slide block down incline

$$W_g = (mg)(d)\cos\theta$$

$$d = h/\cos\theta$$

$$W_g = mg(h/\cos\theta)\cos\theta$$

$$W_g = mgh$$

$$\Delta y = y_f - y_i = -h$$

$$W_g = -mg\Delta y$$

