## Conservation of energy quiz - Ch, 5

A box slides along a horizontal frictionless surface and then slides up a frictionless incline of 25 degrees. If the box stops 5.5 meters higher than the horizontal surface, what was its initial speed.

$$D = 25^{\circ}$$

$$|K_{1}^{2} + U_{1}^{2} = |K_{1}^{2} + U_{1}^{2}|$$

$$|K_{1}^{2} + U_{1}^{2} + U_{2}^{2} + U_{3}^{2}|$$

$$|K_{1}^{2} + U_{1}^{2} + U_{4}^{2}|$$

$$|K_{1}^{2} + U_{1}^{2} + U_{2}^{2}|$$

$$|K_{1}^{2} + V_{2}^{2} + U_{3}^{2}|$$

$$|K_{1}^{2} + V_{2}^{2} + U_{4}^{2}|$$

$$|K_{1}^{2} + V_{2}^{2} + V_{3}^{2} + V_{4}^{2}|$$

$$|K_{1}^{2} + V_{1}^{2} + V_{1}^{2}|$$

$$|K_{1}^{2} + V_{1}$$