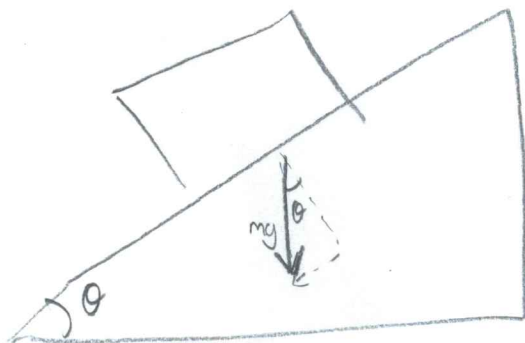
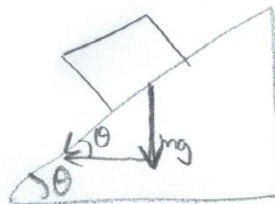


# Inclines



This is my axis.

Why can't I use this triangle?  $\rightarrow$



- You're not breaking  $mg$  into the  $\searrow$  axis as components.
- $mg$  must be the hypotenuse.

## Banked Curve.

When deriving the  $v_{max}$  around a banked curve, in  $\frac{mv^2}{r}$ , you take  $r$  to be this:



Why not this: 