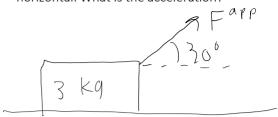
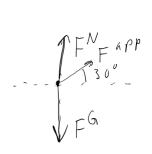
A 3 kg block is on a level surface with an external force of 15 N is applied to the right, at 30 degrees above the horizontal. What is the acceleration?







$$\begin{cases}
F_{x} = m \alpha_{x} \\
F_{x} = 3.0x
\end{cases}$$

$$4.33\% = 0x$$

$$0 - mq + 7.5 = 3.4y$$

$$-3.4.8 + 7.5 = 4y$$

$$-7.3 = 4y$$

normal force is 0 there must be a normal force supporting the box, so the acceleration in the v is zero.