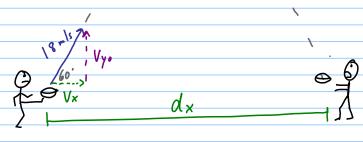
Tialo	Quiz 5a
Title	A rugby player kicks a ball at 18 m/s 60° above the horizontal and it is caught by an opposing player.
ı	How far downfield does the ball travel?
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$$V = |8m/s|$$

$$V_{y} = |8 \sin 60| V_{x} = 9 m/s$$

$$V_{y} = -15.59 \leftarrow V = -V_{0} \text{ because it come}$$

$$V_{y} = |5.59| V_{y} = |5.59| \text{ back down to}$$

$$V_{y} = |8 \cos 60| V_{x} = 9 m/s$$

$$V_{x} = |8 \cos 60| V_{x} = \frac{dx}{dx} \qquad V = V_{0} + a + V_{0}$$

$$V_{x} = |4 \cos 60| V_{x} = \frac{dx}{dx} \qquad V = V_{0} + a + V_{0}$$

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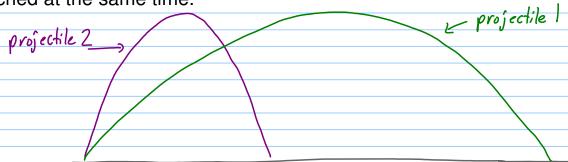
$$V_{x} = |4 \cos 60| V_{0} = V_{0} + A + V_{0}$$

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$$V_{x} = |4 \cos 60| V_{0} = V_{$$

True or False - Consider the following trajectories. Both projectiles were launched at the same time.



- 1) Both projectiles spend the same amount of time in the air.
- 2) The initial speed of projectile 1 is greater than that of projectile 2.