A military plane is full of cargo to be dropped in the desert. The plane is flying at a cruising speed of 255 m/s and at an altitude of 300.0 m. The cargo is dropped. How far from the drop position does it land?

A 1.80 m tall football player throws a ball at a speed of 22.0 m/s. How far away does it land? What is its velocity when it lands?

A mean kid is at the mall and throws a slushy drink horizontally off the 8.00 m balcony so that it lands on one of his classmates that is standing 20.0 m away (from directly below him). What initial velocity did he give the slushy?

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