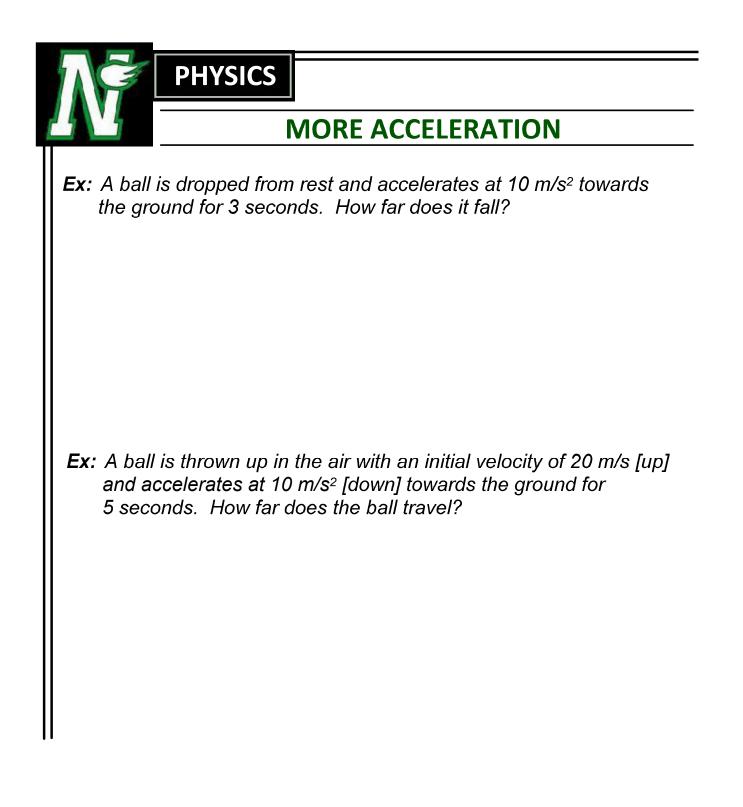
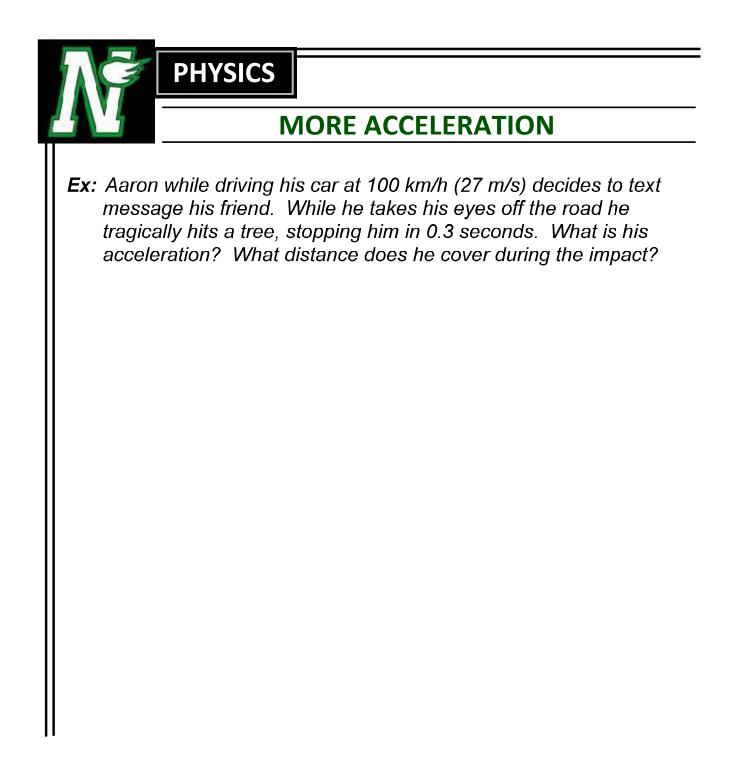
a second	
	PHYSICS
6	MORE ACCELERATION
BI	RINGING IT ALL TOGETHER (More Acceleration Formulas)
s	o Far
	nd Now Remember - when dealing with velocities (or accelerations with direction) its important to establish which direction is <i>Positive</i> .



NG.	PHYSICS
2 4 Y 4	MORE ACCELERATION
(1	travelling at 80 km/h (22.22 m/s) decelerates to 50 km/h 13.88 m/s) in 2 seconds. How far does it travel over this time eriod?
	N Tower is 553 m tall. If you dropped a watermelon off the how fast would it be going when it hits the ground? The acceleration due to gravity is 10 m/s².



	PHYSIC	S
4		HOMEWORK
1.	Shelly starts from rest on her bid What is Shelly's acceleration?	cycle at the top of a hill. After 6.0s she has reached a final velocity of 14m/s.
2.	A ball is rolling at 4.80m/s over If the ramp is 0.750m long, what	level ground when it encounters a ramp, which gives it an acceleration of -0.875m/s ² . at is the final velocity of the ball when it reaches the top of the ramp?
3.	Bill's motorcycle can accelerate in the first 2.50s?	e at 7.05m/s ² at a certain RPM and gear. How far, starting from rest, will Bill travel
4.	Lisa drops a ball. If the ball acco	elerates at 9.80m/s ² , how long will it take the ball to reach a velocity of 15.0m/s?
5.	Big Bob is on his Harley and mo 0.250km. What is Big Bob's acc	oving at 14.0m/s. He then accelerates to a velocity of 25.0m/s over a distance of celeration?
6.	Chuck's car is moving at 65.0m car, travel while he was accelerated	/s when he suddenly accelerates his car at 15.0m/s ² for 3.00s. How far did Chuck, and ting?

