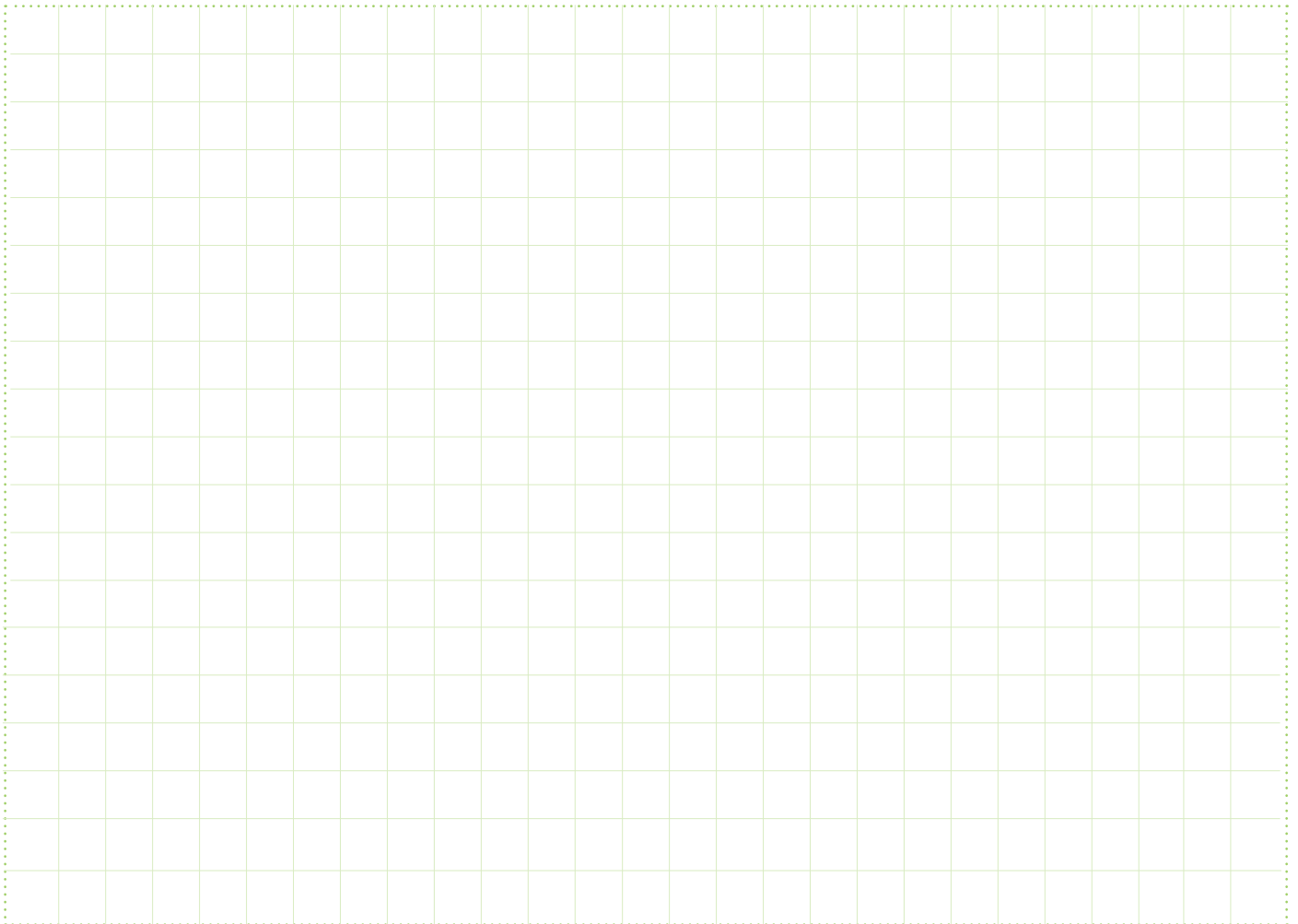


# ground effects, innovations and safety in Automobile Racing

Name \_\_\_\_\_

1. Draw a sketch that illustrates Bernoulli's principle by drawing an airfoil and then sketching and labeling the air movement and the resulting forces as you imagine them.



2. Look at these pictures of early races: [Henry Ford Driving the 999 Race Car Against Harkness at Grosse Pointe Racetrack, 1903](#) ID# THF23024 and [Start of the Indianapolis 500 Race, 1937](#) ID# THF68313. Compare them with these images of more modern race cars: [Lyn St. James Suited Up in Race Car, Giving a Thumbs-Up, 2008](#) ID# THF58671 and [March 84C Race Car, 1984](#) (side view ID# THF69368).

Use these pictures and your studies to make a list of 10 items below that includes safety issues in the older race cars and safety features of the more modern race cars.

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