Problem 1 – Down, Set, Hydrate!

The football team's student trainer needs to make up the hydrating drink for the players' games. The instructions say to mix 2 scoops of powder for every 1/2 gallon of cold water.

1. Create the origin point (0,0) and the point that represents this ratio in the form

   (gallons of water, scoops of powder)

   by typing the points in the Input Bar. Be sure to use parentheses.

2. Create the line(technically, a ray) through these points by using the Ray Tool or by typing the command in the Input Bar
   `Ray(A, B)`
   assuming A and B are the names of the points that are created. If they are different, use their new names instead.

3. Add a point to this line by using the Point on Object tool or by typing
   `Point(f)`
   assuming f is the name of your line that you just created. If the line name is different, use the new name in this command.

4. The bucket used by the football players is a 10-gallon bucket. Move the point you just added to the position that helps solve the answer of how many scoops the trainer needs to use to make the drink for a full bucket. The Move button is the one with the arrow on the left side of the tool bar.