TRIG "WHIPS"

Team member names:_____   _____

(Each team of 5 will need an official timer and 4 whippers!)

Hallway Activity: Use the tiles to get the following information (1 tile ≈ 1 foot)
What is each team member's distance from the center?

Member 1 name: _____   Distance from center (ft):_____

Member 2 name: _____   Distance from center (ft):_____

Member 3 name: _____   Distance from center (ft):_____

Member 4 name: _____   Distance from center (ft):_____

Outdoor Activity: Whip it Good!
How long did it take you to complete 3 revolutions, to the nearest tenth of a second?

Trial 1:_____ **Trial 2:** _____ **Trial 3:**_____ **Average of 3 trials:**_____

Classroom Activity: Do the following calculations.
For the 3 revolutions, how far did each team member travel (in feet), and what was their velocity (in miles per hour)?

Member 1 name: _____   Total distance (ft):_____

                                        Velocity (mph):_____

                                        Angular Velocity (RPMs):_____

Member 2 name: _____   Total distance (ft):_____

                                        Velocity (mph):_____

                                        Angular Velocity (RPMs):_____

Member 3 name: _____   Total distance (ft):_____

                                        Velocity (mph):_____

                                        Angular Velocity (RPMs):_____

Member 4 name: _____   Total distance (ft):_____

                                        Velocity (mph):_____

                                        Angular Velocity (RPMs):_____