

December 27, 2019

This is to confirm that **Ivan Villanueva** has completed at least 40 hours of Private ground school instruction in the following subject areas.

- (i) Canadian Aviation Regulations, 3 hours
- (ii) aerodynamics and theory of flight, 2 hours
- (iii) meteorology, 10 hours
- (iv) airframes, engines and systems, 5 hours
- (v) flight instruments, 2 hours
- (vi) radio and electronic theory, 3 hours
- (vii) navigation, 5 hours
- (viii) flight operations, 3 hours
- (ix) licensing requirements, 2 hours
- (x) human factors including pilot decision—making, 5 hours

Adam Penner AA-376031

Class I Instructor