

Cape Cod Community College AMTS

Practical Project Guide for AMT 115 General Curriculum, Subject Items 24 - 27

Part 147, Appendix B, Subject H – Mathematics

Item 24. Extract roots and raise numbers to a given power (Level 3)

Item 25. Determine areas and volumes of various geometric shapes (Level 3)

Item 26. Solve ratio, proportion, and percentage problems (Level 3)

Item 27. Perform algebraic operations involving addition, subtraction, multiplication and division of positive and negative numbers (Level 3)

Project 1

Purpose: To acquaint the student with the proper procedures for calculating mathematics for aviation.

References:

- (1) 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – General, Volume 1 (FAA-H-8083-30), Chapter 1
- (2) <http://nida/nidaile/portal.aspx>

Equipment and Tools Needed:

- (1) Computer
- (2) Calculator

Supplies and Materials Needed:

- (1) Pencil
- (2) Paper

Procedure:

Complete following procedure on project 1

- Project 1**
- Item 24. Extract roots and raise numbers to a given power (Level 3)
 - Item 25. Determine areas and volumes of various geometric shapes (Level 3)
 - Item 26. Solve ratio, proportion, and percentage problems (Level 3)
 - Item 27. Perform algebraic operations involving addition, subtraction, multiplication and division of positive and negative numbers (Level 3)

- (1) Complete the NIDA Mathematics for Aviation Module.

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