MATH 112-017 and 112-019

New Jersey Inst. Tech.

Prof. Nicholas Dubicki Time Limit: 15 min.

Name:	
	Data

Date: ______ Section: _____

1. Use the double angle formulas to simplify and solve the following integral.

$$I = \int_0^\pi \cos^4(x) \ dx$$

2. Solve the following linear system of equations for the three unknown quantities,
$$x,\,y,\,z.$$

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