

PES 1000 –Physics in Everyday Life – At-Home Problem Set  
UNIT 2: (Chapters 7 – 10) Momentum, Rotation, Fluids, Heat  
(Griffith 'The Physics of Everyday Life' 8<sup>th</sup>.ed.)

Any or all of the following questions and exercises may be attempted. Questions (Q) are worth 1 point each, and Exercises (E) are worth 2 points each. Full credit is awarded for correct equations and answers, half credit for correct equations but incorrect answers.

**Not all problems must be attempted or completed;** only do enough to get as many units out of 40 units maximum as you wish. (Percentage of units earned out of 40) times (10 points) will be added to your exam grade.

8<sup>th</sup> edition of the Griffith text

Chapter 7 – Momentum and Impulse	Q: 8, 12, 20, 28 E: 4, 10, 12
Chapter 8 – Rotational Motion	Q: 6, 10, 20 E: 2, 6, 8, 12
Chapter 9 – Behavior of Fluids	Q: 6, 12, 16 E: 2, 6, 8, 12
Chapter 10 – Heat and Temperature	Q: 4, 12, 14, 28 E: 4, 6, 12