THE FINAL EXAM IS **SATURDAY, DEC. 10 FROM 5-8pm**.
THE LOCATION IS **KANE 130**.

EXAM 1 MATERIAL:

1. DIST = SPEED×TIME, Convert, Dist. Formula, Introducing Variables.

2. Line and circle equations, intersection, linear modeling, quad formula.

3. Uniform linear motion equations.

4. Functional Notation, multipart functions.

EXAM 2 MATERIAL:

1. Quadratic models, vertex, application of quadratic models.

2. Composition of functions, inverses of functions, moving functions around.

3. Exponential models, logarithms.

4. Linear-to-linear modeling.

5. Arc length, area of a wedge.

NEW MATERIAL:

1. ANGLE = ANGULAR SPEED×TIME, working with rev/deg/rad, belt and wheel problems.

2. Three key formulas: $s = \theta r$, $\theta = \omega t$, and $v = wr$.

3. $\sin(\theta)$, $\cos(\theta)$, $\tan(\theta)$ and how to use them to answer questions about right triangles.

4. Locations on a circle and parametric circular motion.

5. Graphs of $\sin(\theta)$, $\cos(\theta)$, and $\tan(\theta)$ and basic identities between them.

6. Sinusoidal modeling and inverse trig functions.