

## Digest 3

(A compilation of emailed homework questions, answered around Wednesday.)

**Question.** (From a student): Can we use calculators or cheat sheets on the exam?

*Answer.* No. No calculators. No cheat sheets. However, the following table will appear on the front of the exam:

Some Formulas:

$$u = (x_1, y_1, z_1), w = (x_2, y_2, z_2).$$

$$u \cdot w = x_1x_2 + y_1y_2 + z_1z_2.$$

$$u \times w =$$

$$\det \begin{pmatrix} (1, 0, 0) & (0, 1, 0) & (0, 0, 1) \\ x_1 & y_1 & z_1 \\ x_2 & y_2 & z_2 \end{pmatrix}.$$