

$$G^2 = \det(g), O^2 = \det(o), D^2 = \det(d)$$

$$g = \begin{bmatrix} 4 & 3 \\ 7 & 5 \end{bmatrix}$$

$$\det(g) = (4)(5) - (3)(7) = 20 - 21 = -1$$

$$o = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$$

$$\det(o) = (1)(1) - (0)(0) = 1 - 0 = 1$$

$$d = \begin{bmatrix} 17 & 8 \\ 2 & 1 \end{bmatrix}$$

$$\det(d) = (17)(1) - (2)(8) = 17 - 16 = 1$$

$$G^2 O^2 D^2 = \det(g) \det(o) \det(d)$$

$$(GOD)^2 = \det(g) \det(o) \det(d)$$

$$\sqrt{(GOD)^2} = \sqrt{\det(g) \det(o) \det(d)}$$

$$GOD = \sqrt{(-1)(1)(1)}$$

$$GOD = \sqrt{-1}$$

**SECULAR
STUDENT
ALLIANCE**

Meets Tuesdays at 7:00, starting 9/7
Biological Sciences, room 004 (basement)