QUIZ October 16, 2013

Clicker Instructions: A = True; B = False;
C = I don't know; D = No truth value
   correct = 1pt; don't know = 0pt; wrong = 0pt

1. A square matrix is invertible if and only if $\det(A) = 0$.

2. Row reduction on a matrix does not change its determinant.

3. For square matrices A and B,

$$\det(A)\det(B) = \det(AB)$$

4. For square matrices A and B,

$$\det(A) + \det(B) = \det(A + B)$$

5. A figure with area c with have area $c\det(A)$ after it is transformed by a linear transformation given by a square matrix A.

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