

QUIZ October 9, 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. The nullspace of a matrix is always a subspace of its domain.
2. The columnspace of a matrix is always a subspace of its domain.
3. A Span of vectors in \mathbb{R}^n forms a subspace of \mathbb{R}^n .
4. The set containing just the zero vector $\mathbf{0}$ in \mathbb{R}^n forms a subspace of \mathbb{R}^n .
5. The vectors \mathbf{x} and \mathbf{y} form a basis of $\text{Span}\{\mathbf{x}, \mathbf{y}\}$.
6. The solutions to $A\mathbf{x} = \mathbf{b}$ forms a subspace of the domain.