

Quiz 2

1. Find the equation of the plane passing through the points $P = (2, -1, 4)$, $Q = (1, 1, 1)$, $R = (3, 1, -2)$ (9pts.)

2. Assume that a constant force \mathbf{F} is exerted on an object causing it to move. Let \mathbf{s} denote the displacement vector of the object. In general, the work done is: (1pt.)

(a) $W = \|\mathbf{F}\|/\|\mathbf{s}\|$

(b) $W = \|\mathbf{F}\|\|\mathbf{s}\|$

(c) $W = \mathbf{F} \cdot \mathbf{s}$

(d) $W = \mathbf{F}/\|\mathbf{F}\|$