Dawson College: Linear Algebra: 201-NYC-05 06	Lost Nomes	Waren 25, 2010
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First Name:

Student ID:

Quiz 7 (B)

Question 1. (3 marks) Given the point Q(2, -2, 5) find an initial point P so that the vector \vec{PQ} is in the opposite direction as $\vec{v} = (3, -4, -1)$.

Question 2. (3 marks) Given $\vec{\mathbf{u}} = (2, 1, -3)$, $\vec{\mathbf{v}} = (0, 1, 3)$, and $\vec{\mathbf{w}} = (-2, 2, -1)$ evaluate $||\vec{3}\vec{\mathbf{u}} - 2\vec{\mathbf{v}} + \vec{\mathbf{w}}||$.

Question 3. (4 marks) Find the angle between the vectors $\vec{\bf u}=(1,-1,-2)$, and $\vec{\bf v}=(4,2,-2)$.