Dawson College: Linear Algebra (Books, watches, notes or cell phones are not allowed. The only calculate		_	name:	
Question 1. (1 mark each) Complet				
a. Two equivalent vectors	_			
b. If $\mathbf{u} \cdot \mathbf{v} = \mathbf{u} \cdot \mathbf{w}$, then \mathbf{v}		an point.		
c. Let w be orthogonal to both u	-	he outhogonal to will w		
_		_	1	
d. Let \mathbf{u} be parallel to \mathbf{x} , and let				2 6 1
Question 2. (4 marks) A parallelog \overrightarrow{BD} .	ram has sides AB , BC , CD , and	1 DA. Given $A(1, -1, 2)$, $C(2, -1, 2)$	(1,0), and the midpoint $M(1,0,-3)$ of AB	s, find
Question 3. (4 marks) Let u be a un	it vector, and let v be a vector s	such that $ \mathbf{v} = 3$, and $ 2\mathbf{u} - \mathbf{v} $	$ =\sqrt{19}$. Find the angle between u and u	V.