"QUIZ" for Lecture 2

NAME: (print!)
Frayed Kara

$$
\text { Section: } 2 x
$$

E-MAIL ADDRESS SCANNED .pdf OF COMPLETED QUIZ to DrZcalc3@gmail.com (Attachment: q2FirstLast.pdf) ASAP BUT NO LATER THAN FRIDAY Sept. 11, 8:00 pm $\qquad$

1. Determine whether the two vectors are orthogonal and if not, whether the angle between them is acute or obtuse. a. $\langle 1,1,1\rangle,\langle 3,-2,-1\rangle$.
b. $\langle 4,3\rangle,\langle 2,-4\rangle . \quad$. $4+1$
a)

$$
<1,1,1),<3,-2,-1\rangle
$$

$$
3-2-1
$$


$16+95_{4}$
$1 亏 0 k$


$$
=0
$$


$\cos ^{-1}\left(\frac{2}{5 \sqrt{5}}\right)$
$y+16 \sqrt{20}$
$\mathbf{v}=\langle 0,1,-1\rangle$,
$i\left[\begin{array}{cc}1 & -1 \\ -1 & 0\end{array}\right]-j\left[\begin{array}{ll}0 & 7 \\ 0 & 0\end{array}\right]$
$1-16$


$$
\begin{aligned}
& +k[0-1] \\
& i(-1)-0-k
\end{aligned}
$$

