EE185 Game 23 Name _____

Fall 2020 11/2/20

Show your work

$\vec{A} = 2\hat{x} - \hat{z}$ $\vec{B} = \hat{z} - 3\hat{x}$ $\vec{C} = -5\hat{y}$

$a)$ $Using\ dot\ product\ find\ the\ angle\ between\ \ A\ and\ B$

$b)$ $Using\ dot\ product\ find\ the\ angle\ between\ \ C\ and\ B$

$c)$ $Find\ \vec{C}x\vec{A}$

$d)$ $What\ is\ the\ area\ of\ the\ parallelogram\ and\ A\ and\ C\ make$