EE 185
Fall 2020 **Game 25** **Name _____**
11/9/20

$$\vec{A} = -2\hat{y} - \hat{x} + 5\hat{z}$$

$$\vec{C} = -\hat{z} + 2\hat{y}$$

$$\vec{B} = 5\hat{x}$$

$a)$ The component of $\vec{A}$ that is parallel to B is defined as.$\vec{A}_{comp\ of\ A\ parallel\ to\ B} \rightarrow \vec{A}_{\parallel} = \frac{\vec{A}.\vec{B}}{|\vec{B}|}\frac{\vec{B}}{|\vec{B}|}$

b) Do $\vec{C}x\vec{B}$ and show your detailed work!!!!

c) what is the area of the parallelogram that $\vec{C}\ and\ \vec{B}$ make