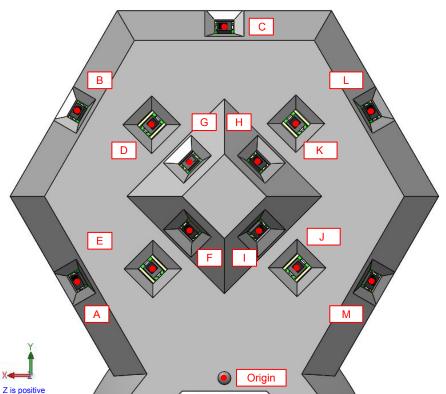
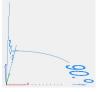
Class Exercise



	Point	X-location (mm)	Y-location (mm)	Z-location (mm)
	Origin	0	0	0
	A	45.245	29.8776	6.71967
	В	45.245	82.1224	6.71967
	С	0	108.2448	6.71967
	D	22.386	78.03215	1.75
	E	22.032	33.6143	1.75
	F	10.523	45.47702	-3.85659
•	G	10.523	66.52298	-3.85659
	Н	-10.532	66.52298	-3.85659
	I	-10.523	45.47702	-3.85659
	J	-22.386	33.96785	1.75
	К	-22.032	78.3857	1.75
	L	-45.245	82.1224	6.71967
	М	-45.245	29.8776	6.71967

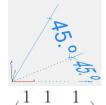
Unit Vectors Reference



$$(0,\frac{1}{\sqrt{2}},\frac{1}{\sqrt{2}})$$



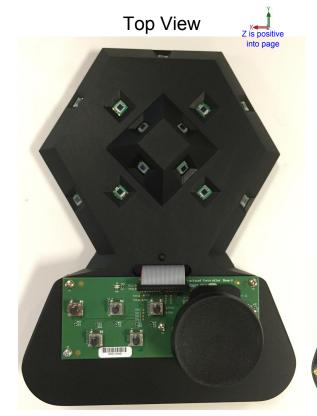
$$(\frac{\sqrt{3}}{2\sqrt{2}},\frac{1}{2\sqrt{2}},\frac{1}{\sqrt{2}})$$

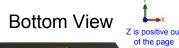


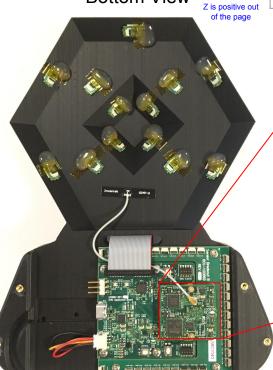
 $(\frac{1}{2}, \frac{1}{2}, \frac{1}{\sqrt{2}})$

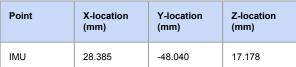
into page

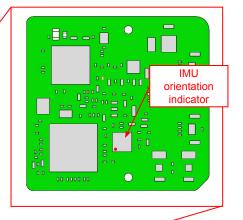
Class Exercise

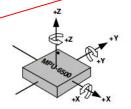












IMU orientation from Invensense MPU-6500 datasheet