3D directions:

- $1 = -x$
- $2 = +x$
- $3 = -y$
- $4 = +y$
- $5 = -z$
- $6 = +z$
- $7 =$ center

2D directions:

- $1 = -u$
- $2 = +u$
- $3 = -v$
- $4 = +v$
- $5 =$ through
- $6 =$ center

x axis: $(u, v) = (y, z)$
y axis: $(u, v) = (x, z)$
z axis: $(u, v) = (x, y)$