**Quiz 1**

**You may use the textbook and online resources to answer the quiz questions**

1) Describe expressiveness principle for visualization? Then use an example visualization idiom to explain its expressiveness. (One page max)

2) Describe effectiveness principle for visualization? Then use an example visualization idiom to explain its effectiveness. (One page max)

3) Separate the following channels as magnitude and identify channels in their effectiveness order from most at top to least at bottom

Length

Position

Shape

Area

Color hue

Color luminance

Color saturation

Tilt

Spatial region