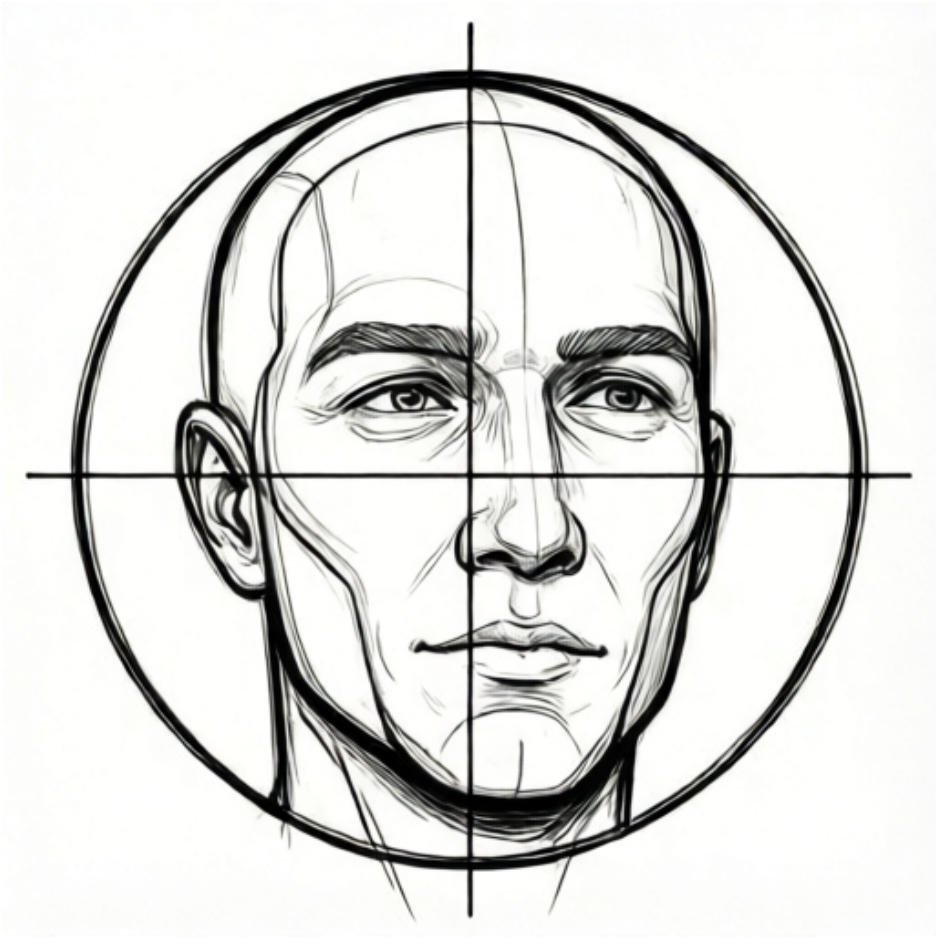
Circle, Center Line, and Tilt: Constructing Faces in Perspective

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

Circle, Center Line, and Tilt: Constructing Faces in Perspective

Worked example / complete source key

Construct an upright face using a circle of diameter 8 cm. Place the eye line at the center, the nose base halfway between the eye line and the bottom of the circle, and the mouth line one-third of the way from the nose base to the bottom. Describe the positions in centimeters from the eye line.

Answer: The circle radius is 4 cm. The eye line is at the center, so it is 0 cm from itself. The bottom of the circle is 4 cm below the eye line. The nose base is halfway, so 2 cm below the eye line. The mouth line is one-third of the way from the nose base to the bottom: the distance from nose base to bottom is 2 cm, so one-third is about 0.67 cm below the nose base, or about 2.67 cm below the eye line. Eyes sit on the eye line, spaced with one eye width between them. Ears span from the eye line to the nose base.