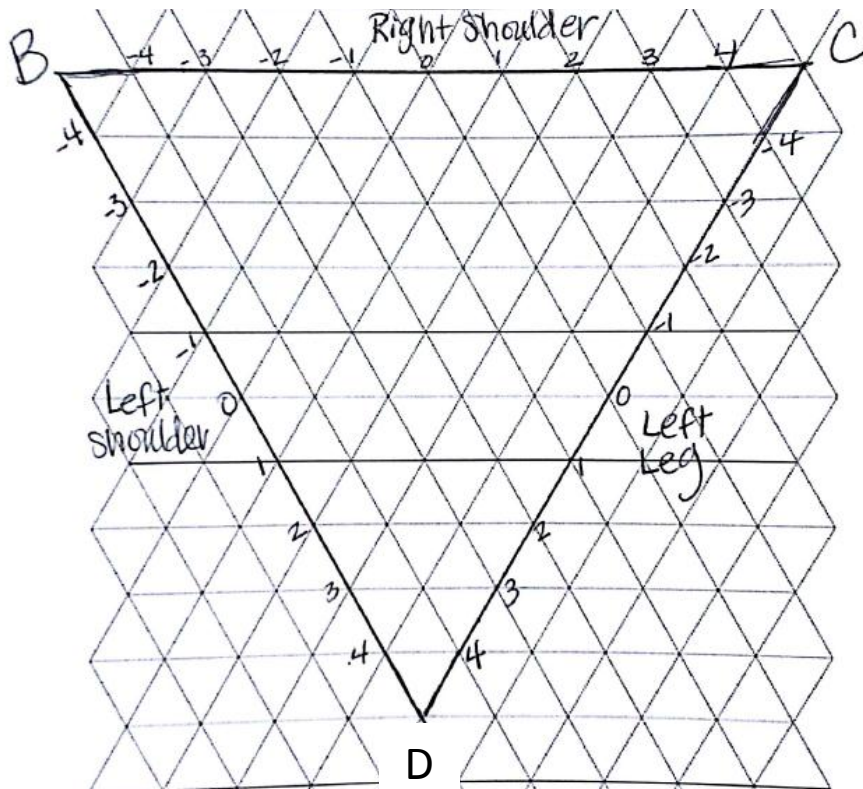


Technicians use equipment like electrocardiographs to test, monitor, and evaluate heart function.

ELECTROCARDIOGRAPH

The equilateral triangle $\triangle BCD$ is used to plot electrocardiograph readings. Consider a person who has a left shoulder reading (S) of -1, a right shoulder reading (R) of 2, and a left leg reading (L) of 3.

1. On a large copy of $\triangle BCD$, plot the reading to form the vertices of $\triangle SRL$.
(This triangle is an Einthoven's Triangle, named for the inventor of the electrocardiograph.)
2. Construct the circumcenter M of $\triangle SRL$.
3. Construct the centroid P of $\triangle SRL$. Draw line r through P parallel to \overline{BC} .
4. Estimate the measure of the acute angle between line r and \overline{MP} .
Cardiologists call this the angle of a person's heart.



Use the QRCode or other online/written resource (cite your source!) to share anything else you can learn about Einthoven's Triangle OR what/how doctor's use the "angle of a person's heart" for medical treatment / procedures.