Sometimes, the only information that we are given are three points that lie on a circle. For this, the general form of the equation of the circle comes in handy.

**General Form of the Equation of a Circle:** The general form of the equation of a circle is

where $D$, $E$ and $F$ are constants.

Ex. Find the equation of the circle that passes through $(-2, 3)$, $(6, -5)$ and $(0, 7)$. Then identify its radius and center.