Inertial frame $S'$ is moving with velocity $v = +0.5c$ relative to inertial frame $S$. Consider the events $P$ at $x = 1.8$ m, $ct = 1.4$ m and event $Q$ at $x' = 1.0$ m, $ct' = 2.0$ m. Draw a Minkowski diagram to scale on graph paper and determine the coordinates of both event in the other frame by graphical construction.

Solution: