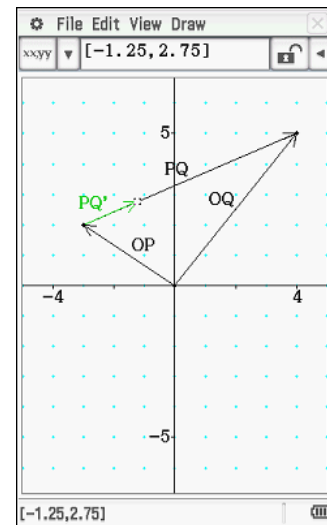


Activity 10

Position vectors and internal division

1. Done on ClassPad.
2. $\overline{PQ} = 7\mathbf{i} + 3\mathbf{j}$
3. $\overline{OT} = -1.25\mathbf{i} + 2.75\mathbf{j}$



4.
 - a) Ship's position vector is $27\mathbf{i} + 29.5\mathbf{j}$ km relative to port.
 - b) Distance from port is ~ 40.0 km.
 - c) At $\sim 6:51$ pm the ship will be 75 km from port.

