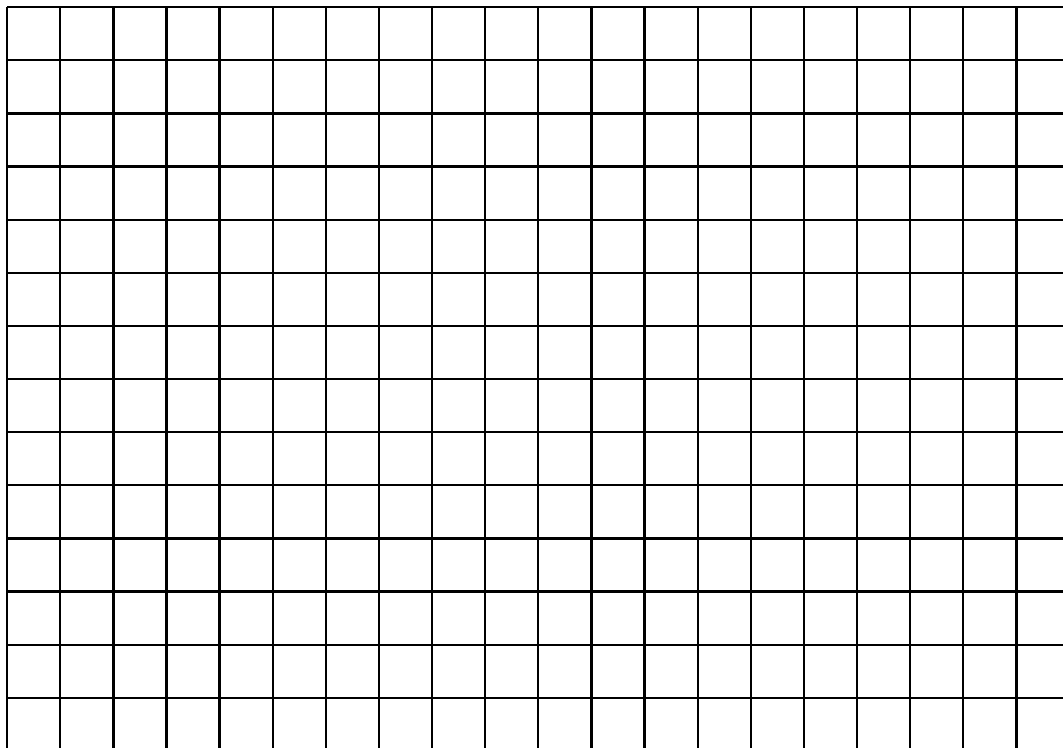


1. For $A = (-6, 2)$ and $B = (4, -2)$, find the exact coordinates for the midpoint of \overline{AB} .



2. Find the coordinates of the point that is one fifth of the way from A to B . Show work.

3. Now find the coordinates of the point that is $3/4$ of the way from B to A ; show work.