Worked example	Your turn
Find the perpendicular bisector of $A\,(2,5)$ and $B\,(6,7)$	Find the perpendicular bisector of $A\,(2,5)$ and $B\,(6,7)$ $$y = -2x + 14$$

Worked example	Your turn
Find the perpendicular bisector of A $(3, 8)$ and $B(1, -2)$	Find the perpendicular bisector of A $(3, 8)$ and $B(1, -4)$ $$y = -\frac{1}{2}x + 7$$

Worked example	Your turn
A line segment AB is the diameter of a circle with centre $(4, -5)$. If A has coordinates $(2, -1)$, what are the coordinates of B?	A line segment AB is the diameter of a circle with centre $(5, -4)$. If A has coordinates $(1, -2)$, what are the coordinates of B? $(9, -6)$