

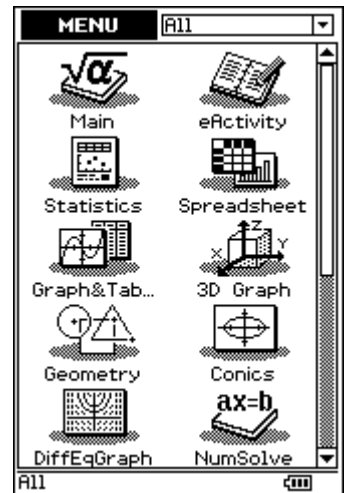
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756	Coordinate Geometry: Perpendicular Line	Author	Romaine Saunders
		Date	24 June 2008
		CPM OS	03.03.3000


Find the equation of the line through the point A(2,-1) perpendicular to the line $5x - 2y + 6 = 0$.


Tap .

Tap .

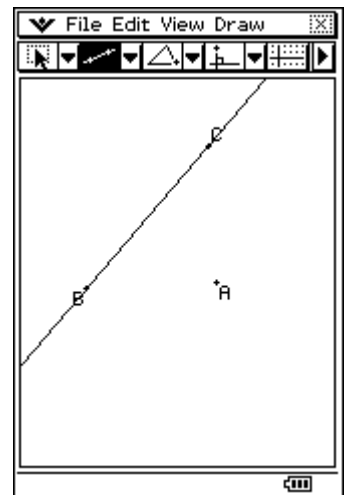
Tap **File**, tap **New**, tap **OK**.




Tap , tap in the Geometry window to draw a point, A.

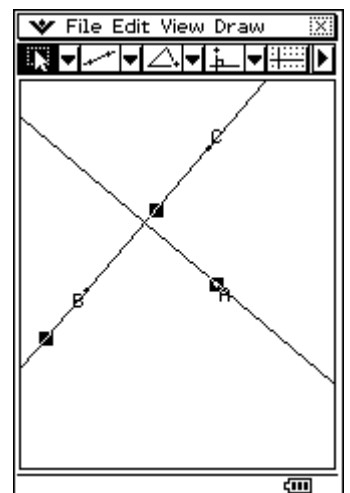
Tap , tap twice in the Geometry window to draw a line, BC.

Tap .




Tap A, tap the line then tap  to draw the line through the point A and perpendicular to the line BC.

Tap in space.




Tap .

Tap point A.

Tap in the measurement box and then type $[2,-1]$. Tap  or press **EXE**. The coordinates of A are now $(2,-1)$.

Tap in space.

Tap the line BC.

Tap in the measurement box and then type $5x-2y+6=0$. Tap  or press **EXE**. The equation of the line is now $5x - 2y + 6 = 0$. This will appear as $y = 2.5x + 3$.

Tap in space.

Tap the line passing through $A(2,-1)$ to view its equation in the measurement box.

