

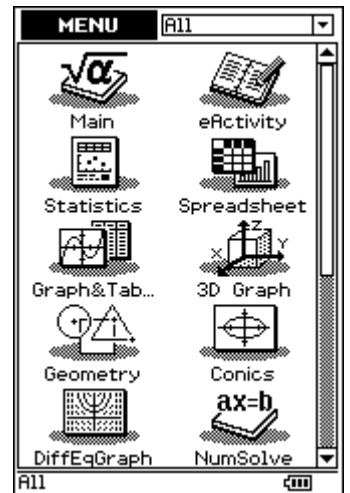
Find the area of the triangle enclosed by the line  $3x + 2y - 7 = 0$  and the axes.


Menu

Tap .

Tap .

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

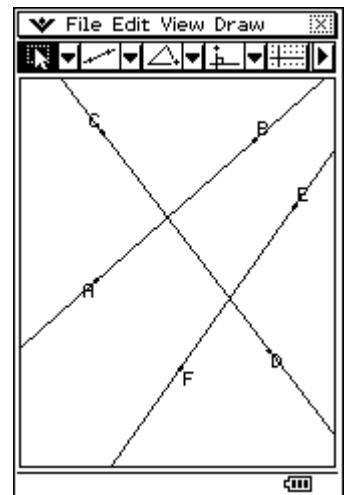


Tap , tap twice in the Geometry window to draw a line, AB.

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

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

Tap .



Tap .


Tap line AB. Tap in the measurement box and then type  $x=0$ . Tap 

or press **EXE**. Tap in space.

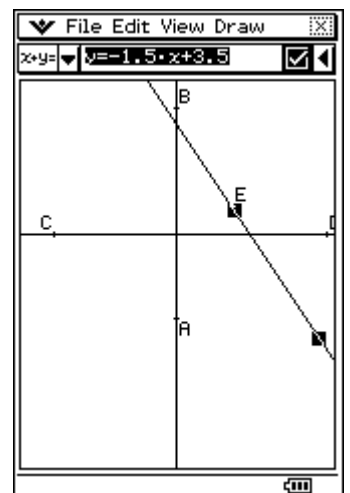
Tap line CD. Tap in the measurement box and then type  $y=0$ . Tap 

or press **EXE**. Tap in space.

Tap line EF. Tap in the measurement box and then type  $3x+2y-7=0$ . Tap


 or press **EXE**. The equation of the line is now  $3x + 2y - 7 = 0$ .


This will appear as  $y = -1.5x + 3.5$ .




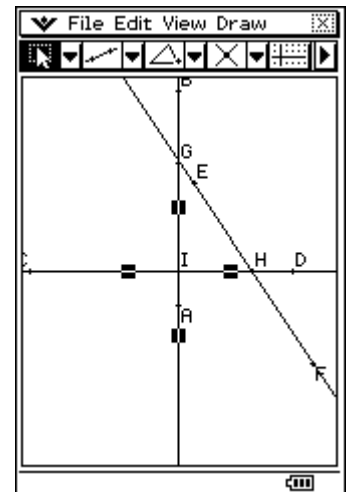
Tap in space.

Tap .

Tap lines AB and EF. Tap  to locate point G, the point of intersection of these two lines. Tap in space.

Tap lines CD and EF. Tap  to locate point H, the point of intersection of these two lines. Tap in space.

Tap lines AB and CD. Tap  to locate point I, the point of intersection of these two lines. Tap in space.



Tap .

Tap points G, H and I.

The area enclosed by the line and the axes appears in the measurement box.

