

SAT Calc Allowed

Bell Work Thursday 10/04

$$-\frac{1}{4}y + \frac{11}{24} = \frac{2}{3}x$$

$$8x + 6y = 1$$

standard form $ax+by=c$

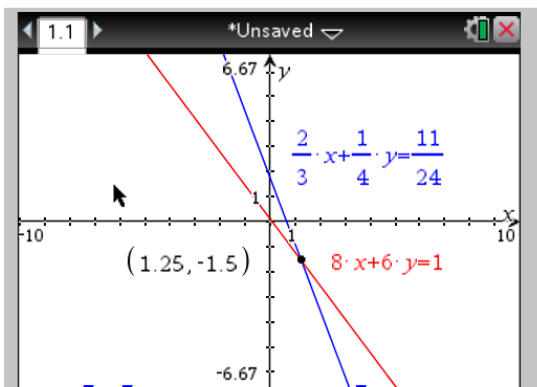
The lines that correspond to the system of equations above intersect at the point (p,q) . What is the value of $\frac{p}{q}$?



$$\begin{cases} \frac{2}{3}x + \frac{1}{4}y = \frac{11}{24} \\ 8x + 6y = 1 \end{cases}$$

menu 3,2

$$\text{linSolve}\left(\left\{\frac{2}{3}x + \frac{1}{4}y = \frac{11}{24}, \{x,y\}\right\}, \left\{\frac{5}{4}, \frac{-3}{2}\right\}\right) \rightarrow \frac{\frac{5}{4}}{\frac{-3}{2}} = -\frac{5}{6}$$



**add a graph, menu 3,2,1 standard form
Then look for intersection menu 6,4**

