Bathroom breaks are to be taken before class!!

Do NOT move the desk!!

Turn your phone OFF!!

Put your phone up!!

Sit down!! Be quiet!!

Prepare to work!!

Keep your hands to yourself!!

Oct 15-8:10 AM

Softbook Pg 29

Graphing Linear Equations in Standard Form

$Ax + By = C$ or $Ax + By + C = 0$

Solve for y

$Ax + By = C$

$-Ax \qquad -Ax$

$\frac{By}{B} = \frac{-Ax}{B} + \frac{C}{B}$

$y = \frac{-A}{B}x + \frac{C}{B}$

$y = mx + b$

$m = \frac{-A}{B} \qquad b = \frac{C}{B}$

$Ax + By = C$

#4 $3x + 4y = 5$

$A = 3 \quad B = 4 \quad C = 5$

$m = \frac{-3}{4} \qquad b = \frac{5}{4}$

$3x + 4y = 5$

$-3x \qquad -3x$

$\frac{4y}{4} = \frac{-3x}{4} + \frac{5}{4}$

$y = -\frac{3}{4}x + \frac{5}{4}$

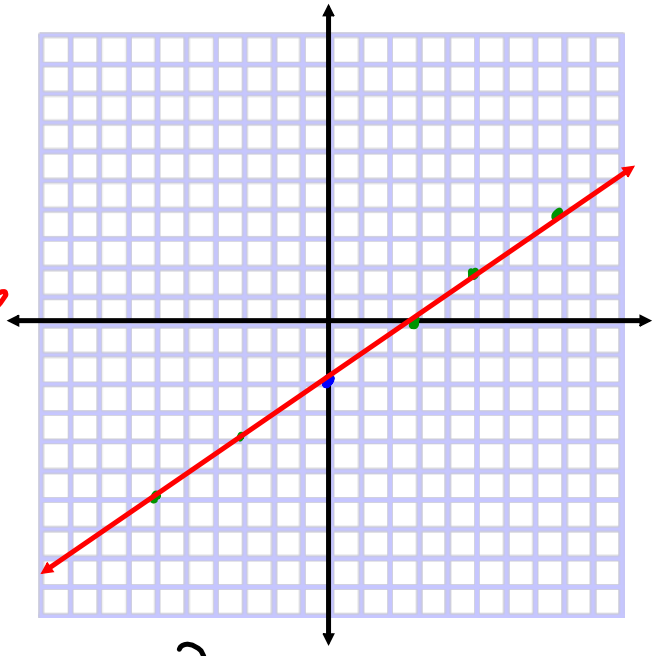
Oct 15-9:48 AM

3) $2x - 3y = 6$

$A = 2 \quad B = -3 \quad C = 6$

$m = \frac{-2}{-3} = \frac{2}{3}$

$b = \frac{6}{-3} = -2$



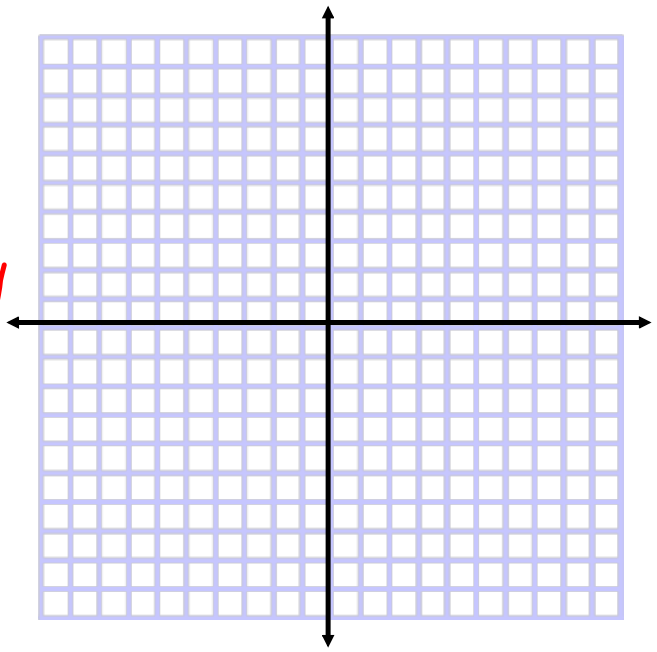
$y = \frac{2}{3}x - 2$

Oct 21-11:38 AM

4) $\frac{8}{3}x - \frac{4}{3}y = 4$

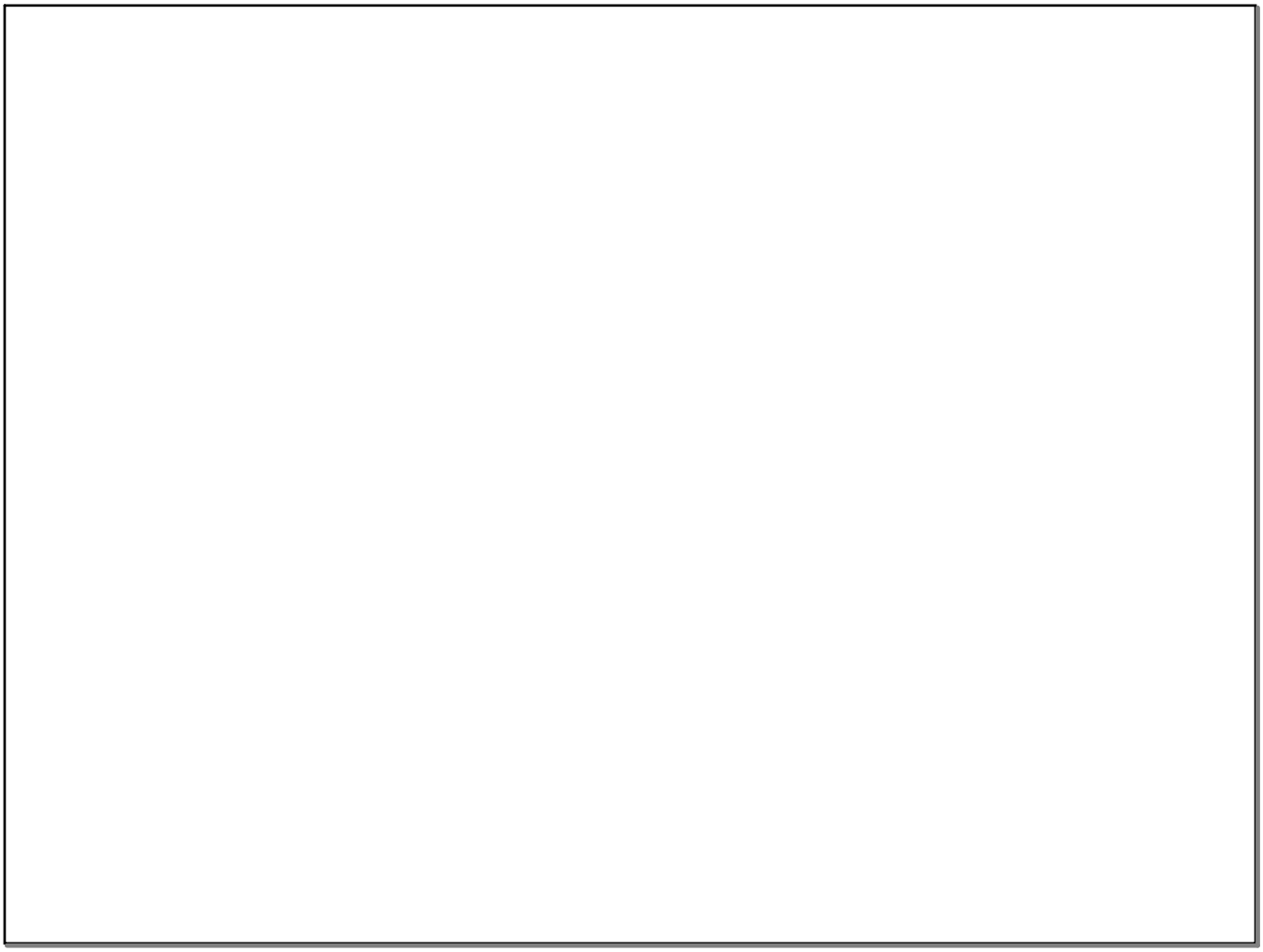
$A = \frac{8}{3}$ $B = \frac{-4}{3}$ $C = 4$

$m = \frac{-\frac{8}{3}}{\frac{-4}{3}} = \frac{-8}{-4} = \frac{2}{1}$



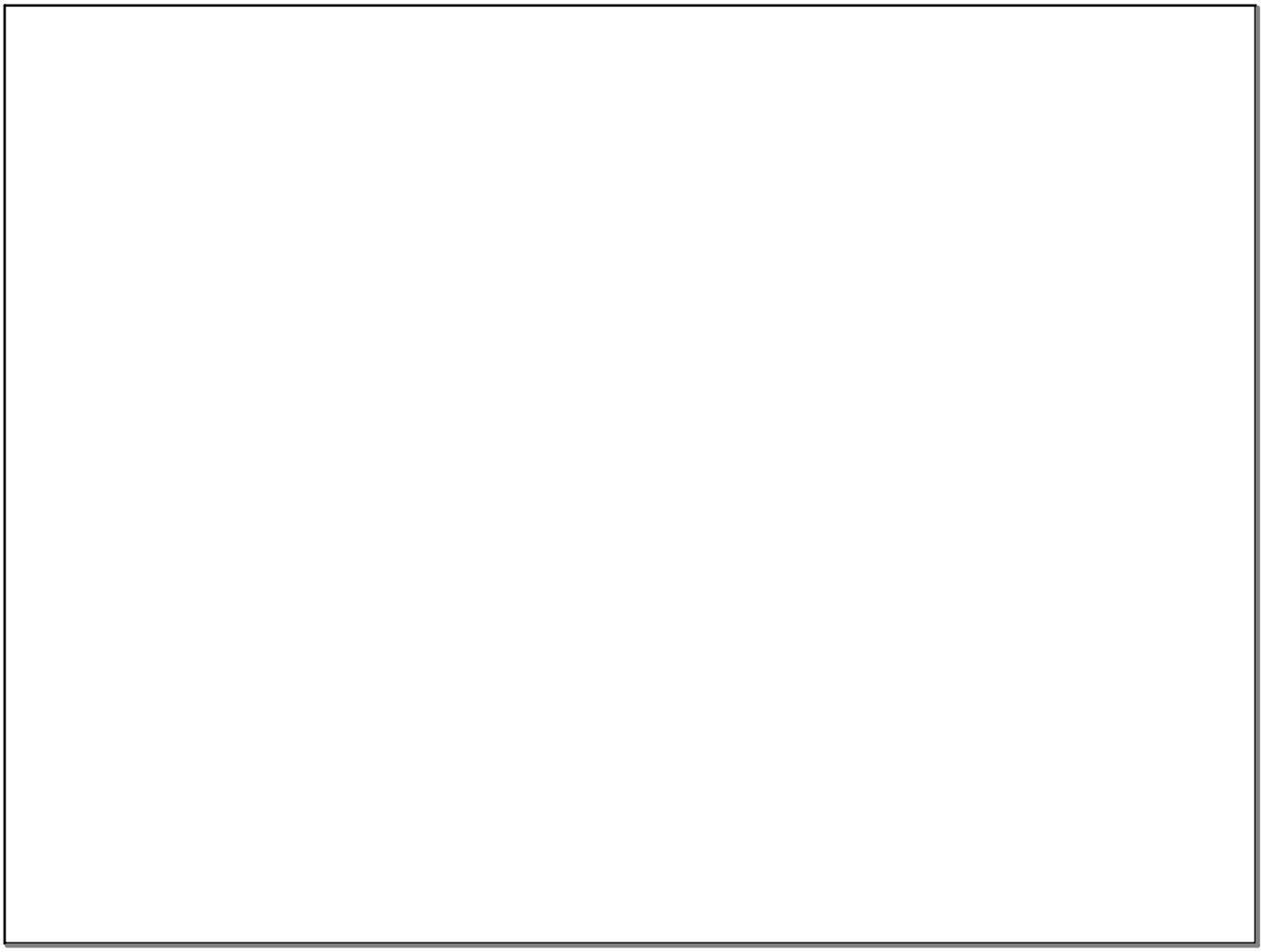
$b = \frac{4}{-\frac{4}{3}} = 4 \div \left(-\frac{4}{3}\right) = 4 \times \left(\frac{-3}{4}\right) = -3$

Oct 21-11:38 AM

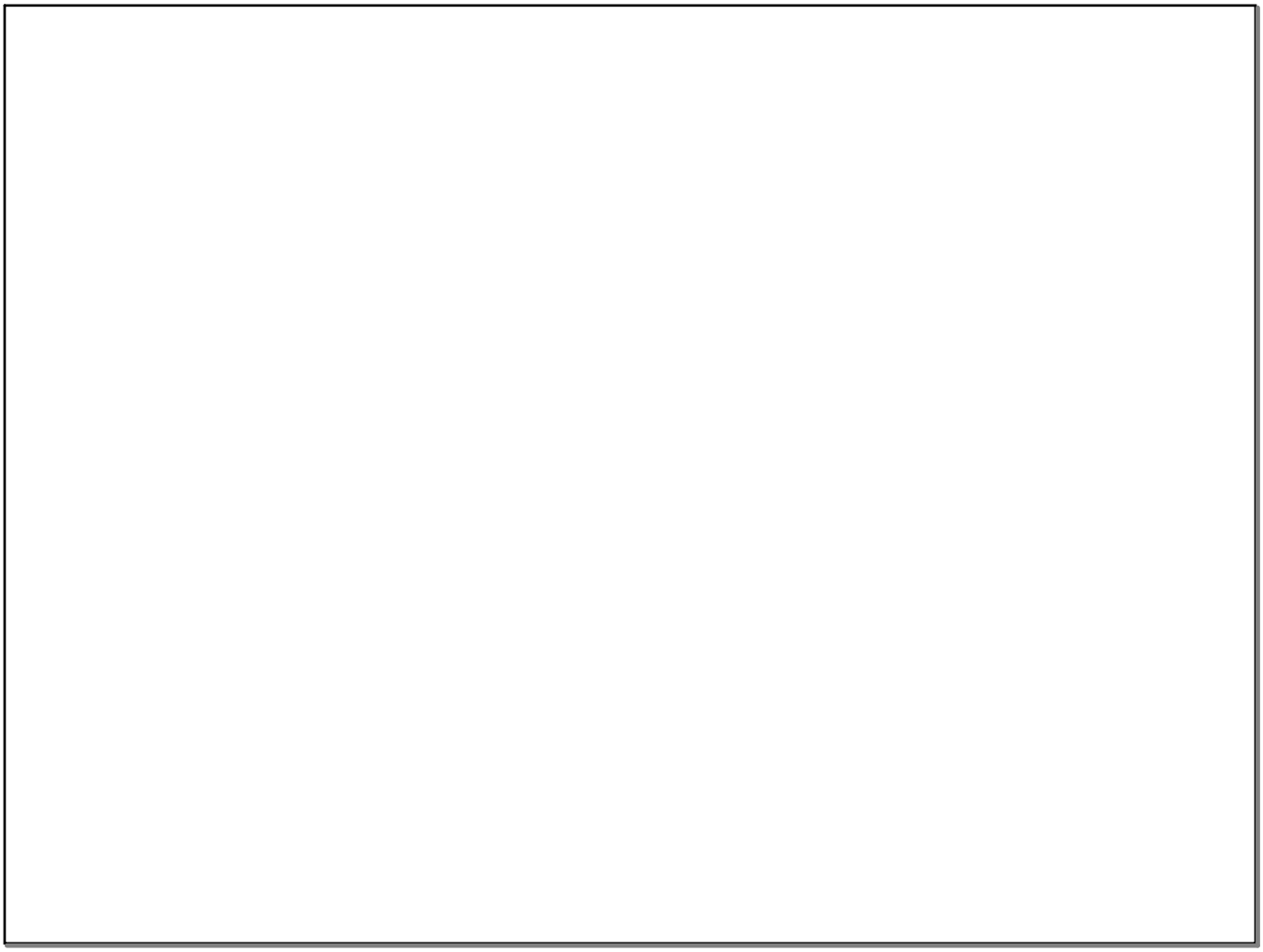


Oct 21-11:38 AM

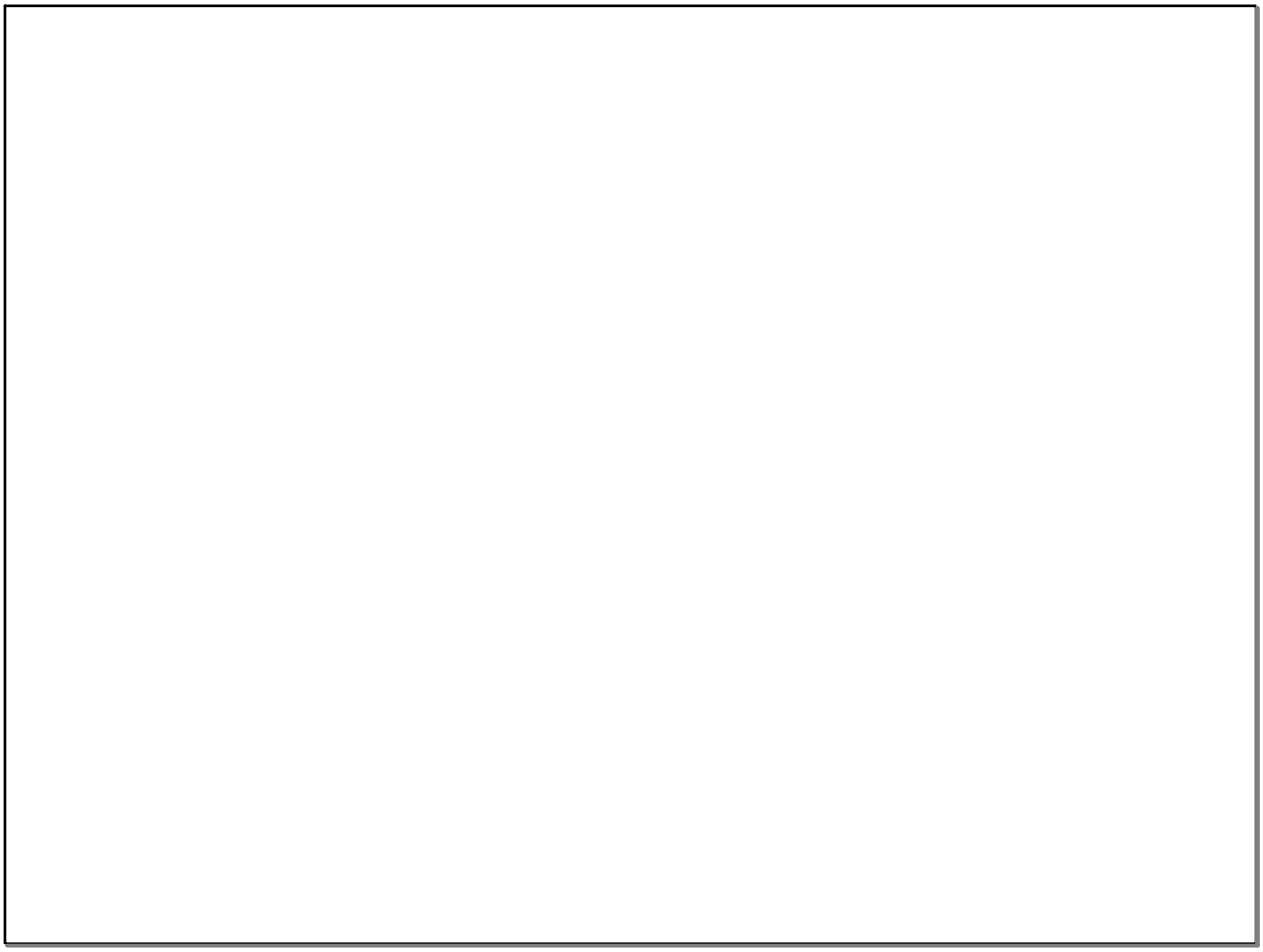
Oct 21-11:38 AM



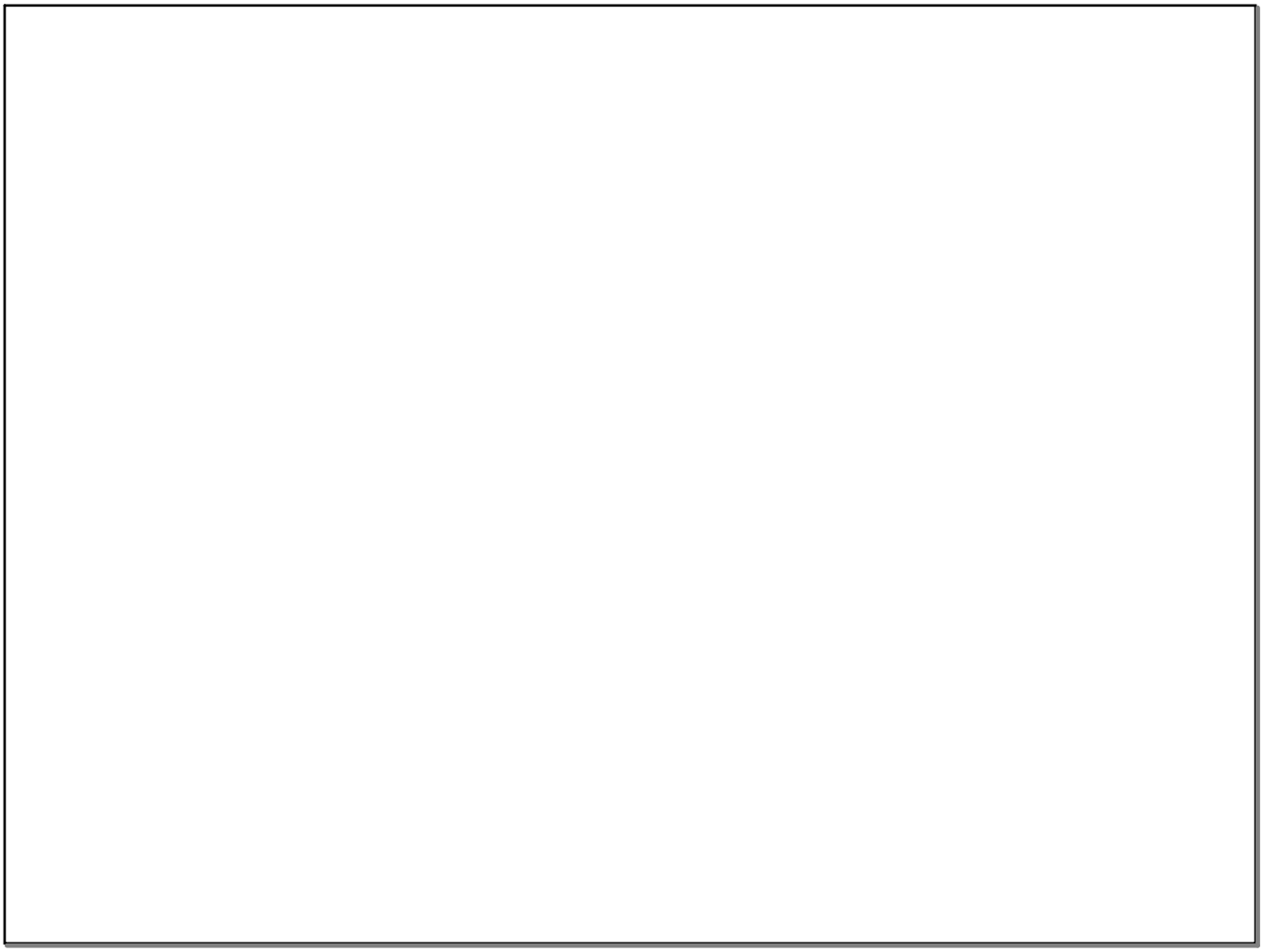
Oct 21-11:38 AM



Oct 21-11:38 AM



Oct 21-11:38 AM



Oct 21-11:38 AM