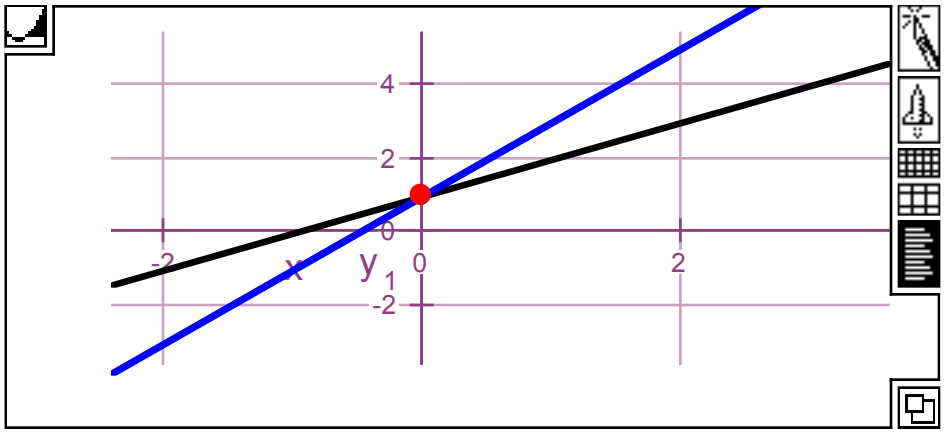
LIVEMATH JumpStart — Lesson 2: 2D Graphing

Putting It All Together

Let's put it all together.

Graph $y = x + 1$ and $y = 2x + 1$.
Find where they intersect.
Graph a point at the intersection.
Move the intersection up to the middle of the viewing window.

- [x] $y_1 = x + 1$
- [x] $y_2 = 2x + 1$
- [ ] $y_1 = y_2$
  - $x + 1 = 2x + 1$ Substitute
- [x] point = (0, 1)



[ ] 2.4 ... 3.6 = left...right Stretch to Fit

[ ] 3.6 ... 5.4 = bottom...top cropping Moderately

Graph Building Blocks

Curve at (x, y_1) where x = left ... right with a heavy line, colored Black.

Curve at (x, y_2) where x = left ... right with a heavy line, colored Blue.

Scatter plot of $(\text{point}_{[k_6,1]}, \text{point}_{[k_6,2]})$ where $k_6 = 1 \ldots \text{RowsOf}(\text{point})$ using 9 point spots colored Red.

Now It's Your Turn... Follow the directions below to get hands on experience.

Graph the lines

$y = x$ and $y = -x + 2$

Graph a point at the intersection.

Move the intersection to the middle of the viewing window.