

Summary – Equations of Lines

Graphing Linear Equation – Equations of Degree 1

1. **Graph by plotting points**
 - a. **Make x-y chart**

2. **Graph by Slope Intercept; $y = mx + b$**
 1. **Graph y_{int} (b)**
 2. **From b , use m to find 2nd point**
 3. **Draw line thru the points**

3. **Graph by General Form; $Ax + By = C$**
 1. **Graph x_{int} (let $y = 0$)**
 2. **Graph y_{int} (let $x = 0$)**
 3. **Draw line thru the points**

Finding Equations of Lines; $y - y_1 = m(x - x_1)$

- 1. Determine the slope**
- 2. Choose a point**
- 3. Substitute those into formula**