

Graph General Form; $ax + by = c$

Algorithm

1. Find x_{int} , by letting $y = 0$ and graph (cover-up)
2. Find y_{int} , by letting $x = 0$ and graph (cover-up)
3. Draw a line through the two intercepts

Example: $2x - 5y = 10$

1. $2x = 10, x = 5 \Rightarrow (5, 0)$
2. $-5y = 10, y = -2 \Rightarrow (0, -2)$
3. Draw a line through the 2 points

Graph the following

1. $2x - y = 10$
2. $3x + 2y = 6$
3. $4x + 3y = 12$
4. $4x + 5y = 20$
5. $2x + 3y = -6$
6. $3x - 5y = 15$
7. $2x - 3y = 7$
8. $5x - 3y = 8$
9. $5x - 6y = 30$
10. $8x + 5y = 24$