Reteaching 6-4

**OBJECTIVE:** Graphing equations using x- and y-intercepts  
**MATERIALS:** Small self-stick removable notes

**Example:**

Graph \(4x + 5y = 20\) using x- and y-intercepts.

a. Write the equation in large figures so that each term is slightly smaller than a self-stick note.

b. Write a zero on a self-stick note.

c. Place the note over the 4x. Solve the remaining equation.

\[
0 + 5y = 20
\]
\[
5y = 20
\]
\[
y = 4
\]

This gives us the point of the y-intercept: \((0, 4)\).

d. Place the note over the 5y. Solve the remaining equation.

\[
4x + 0 = 20
\]
\[
4x = 20
\]
\[
x = 5
\]

This gives us the point of the x-intercept: \((5, 0)\).

e. Graph the two points. Draw the line between them.

**Exercises**

Graph each equation using steps a–e.

1. \(3x + 4y = 36\)
2. \(5x + 3y = 15\)
3. \(7x - 4y = 28\)
4. \(4x - 3y = 9\)
5. \(10x + 30y = 90\)
6. \(6x + 3y = 12\)