

Name: _____

Graphing Linear Equations

Exercise 1: Graph each equation

1) $x=y$

2) $y=3x$

3) $-2x=y$

4) $y=-6$

5) $3x+9y=7$

6) $2=x$

7) $-3=x+y$

8) $y-x=0$

9) $y=4-3x$

10) $4x+2y=7$

11) $5x=y+3$

12) $3=-3x+y$

13) $3x-9=0$

14) $3x+9y=1$

15) $-2y=3x+1$

Exercise 2: Complementary angles are two angles whose sum is 90° . Suppose two complementary angles measure $(2x+2y)^\circ$ and $(x+4y)^\circ$.

- Write an equation for the sum of the measures of these angles.
- Determine five ordered pairs that satisfy this equation.
- Graph the equation

Exercise 3: Graph the equations $y=2x$, $y=2x+1$, $y=2x+2$, and $y=2x+3$ on the same coordinate plane. Then describe the graphs.