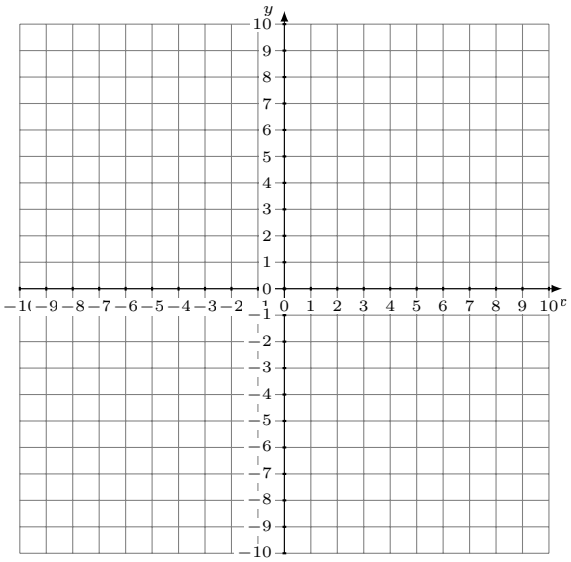
Dependent Linear Systems (H)

Graph each system and identify the dependent system.

1. $x + y = 3$

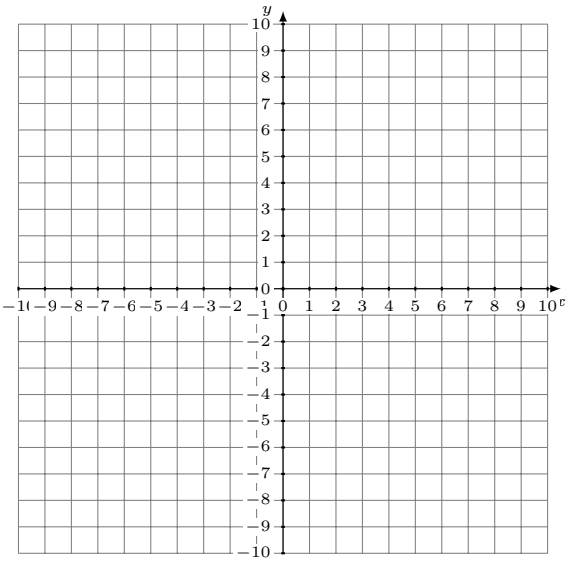
$y = 11x - 9$



Solution: (____,____)

2. $y = -\frac{11}{7}x + 9$

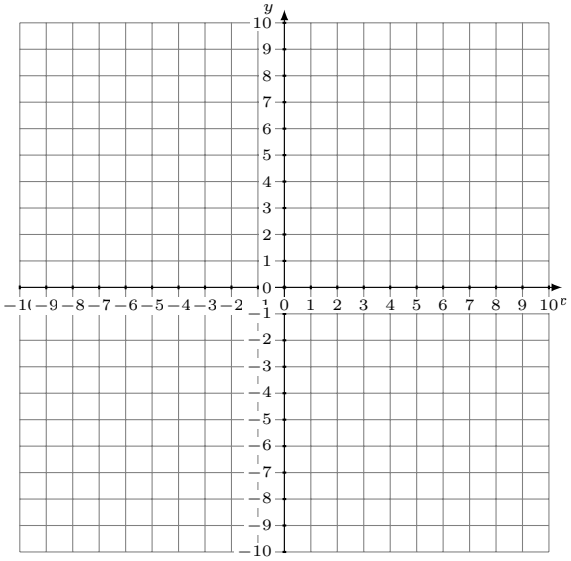
$4x + 7y = 14$



Solution: (____,____)

3. $x + 6y = 0$

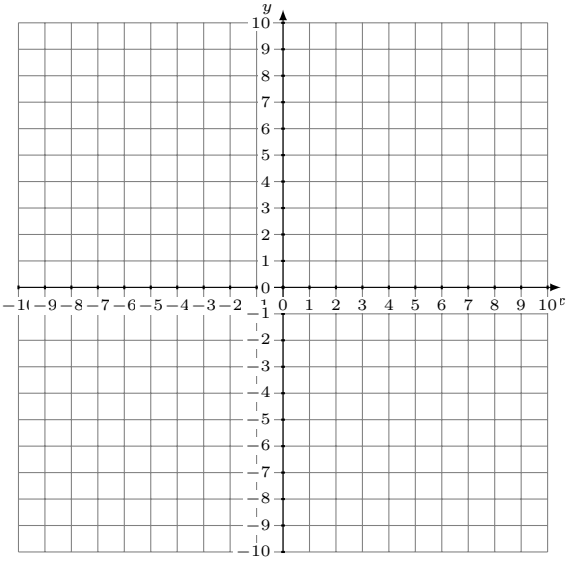
$y = -\frac{7}{6}x + 6$



Solution: (____,____)

4. $2x - y = -3$

$y = 2x + 3$



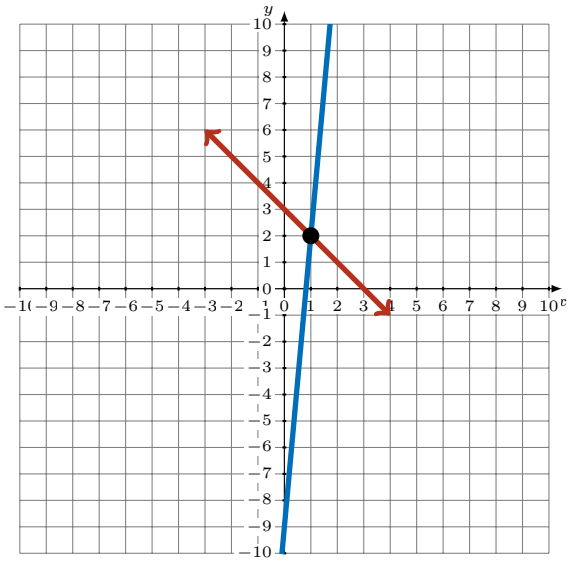
Solution: (____,____)

Dependent Linear Systems (H) Answers

Graph each system and identify the dependent system.

1. $x + y = 3$

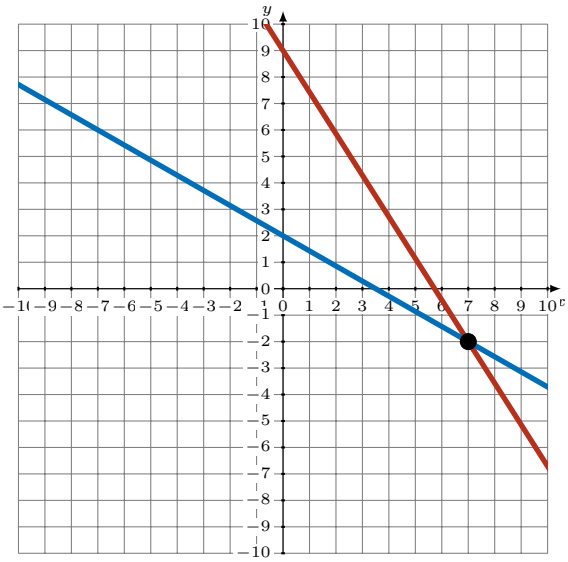
$y = 11x - 9$



Solution: (1,2)

2. $y = -\frac{11}{7}x + 9$

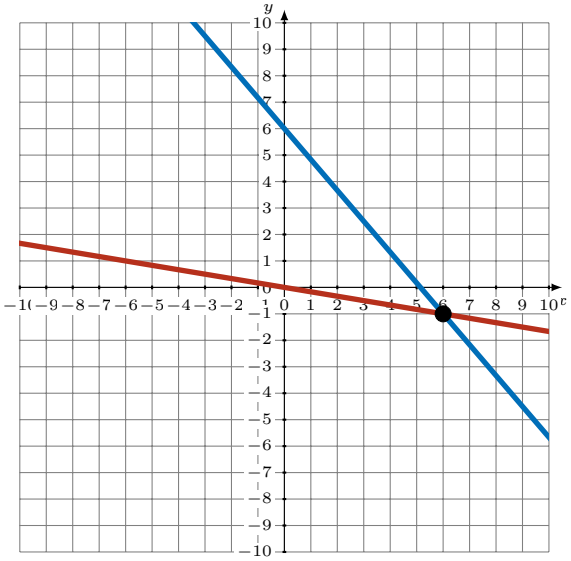
$4x + 7y = 14$



Solution: (7,-2)

3. $x + 6y = 0$

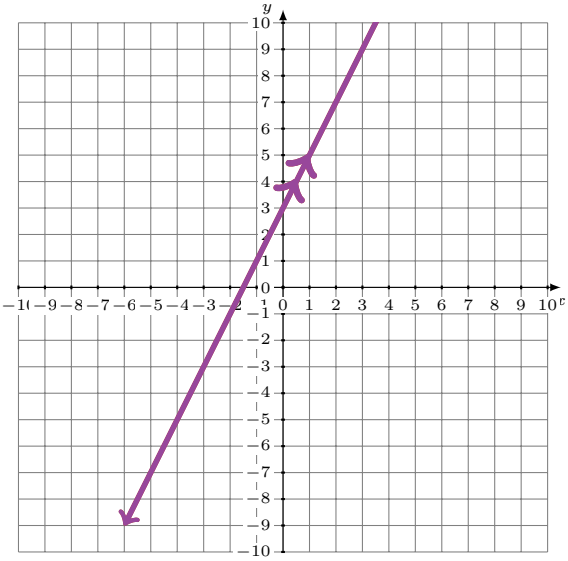
$y = -\frac{7}{6}x + 6$



Solution: (6,-1)

4. $2x - y = -3$

$y = 2x + 3$



Solution: Infinite Solutions (Dependent)