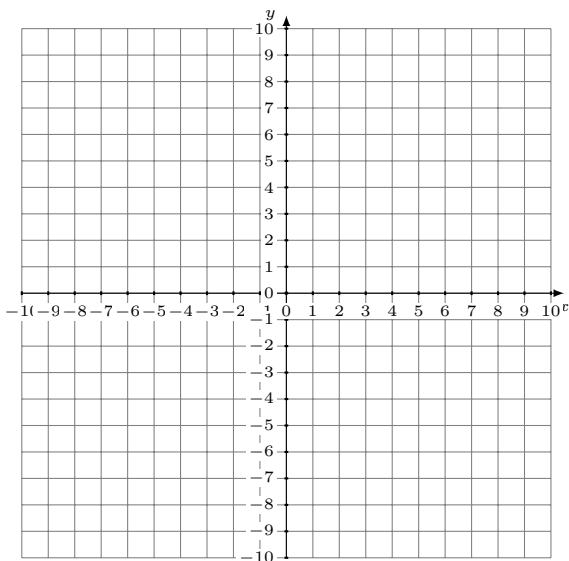


# Dependent Linear Systems (G)

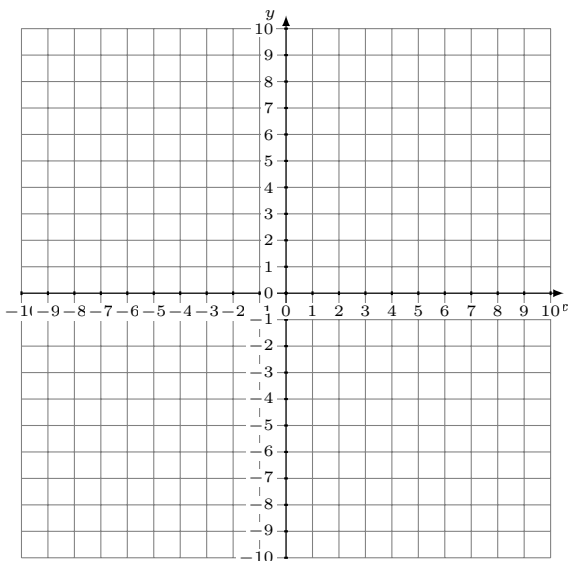
Graph each system and identify the dependent system.

1.  $y = -1$   
 $5x + 9y = -54$



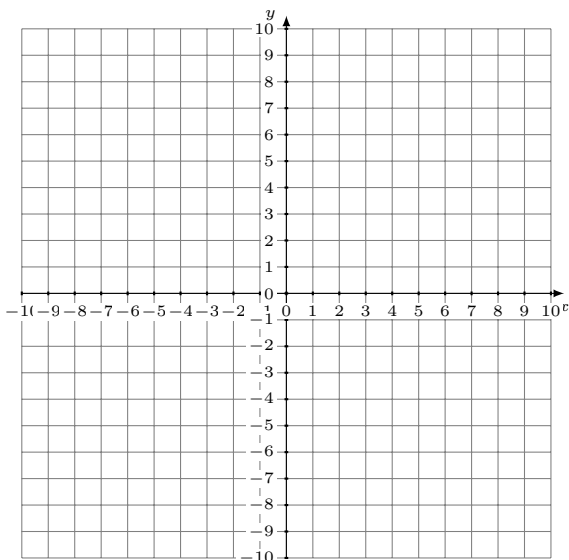
Solution: (----,----)

2.  $y = -x - 9$   
 $16x - y = -8$



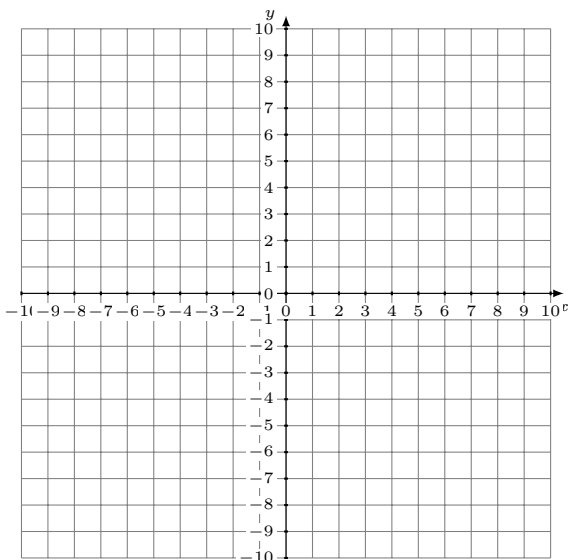
Solution: (----,----)

3.  $y = \frac{8}{7}x + 3$   
 $8x - 7y = -21$



Solution: (----,----)

4.  $2x + y = 9$   
 $y = \frac{1}{8}x - 8$

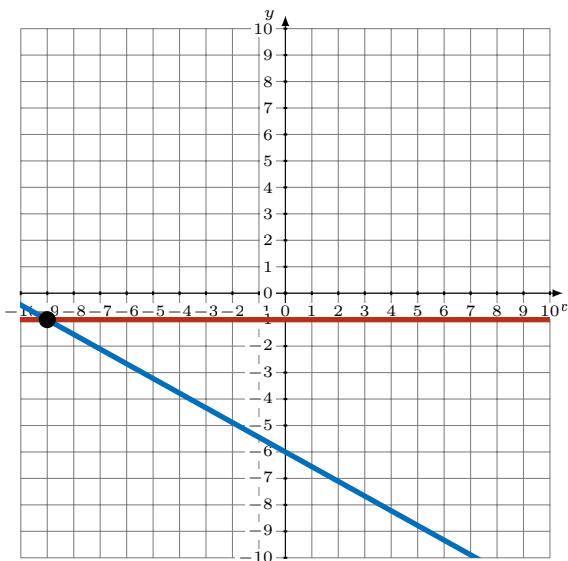


Solution: (----,----)

# Dependent Linear Systems (G) Answers

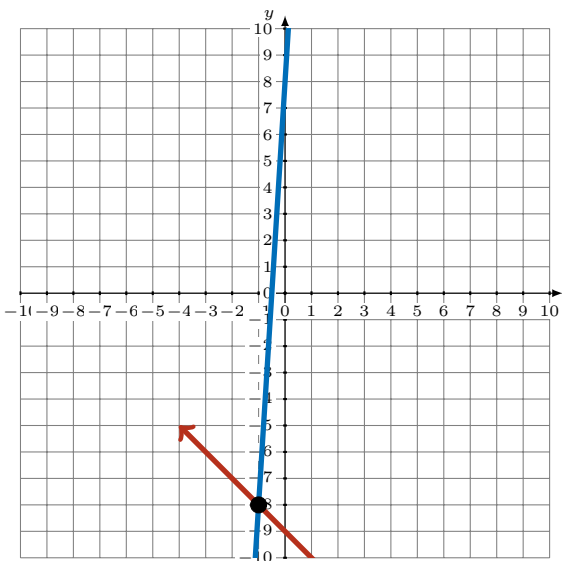
Graph each system and identify the dependent system.

1.  $y = -1$   
 $5x + 9y = -54$



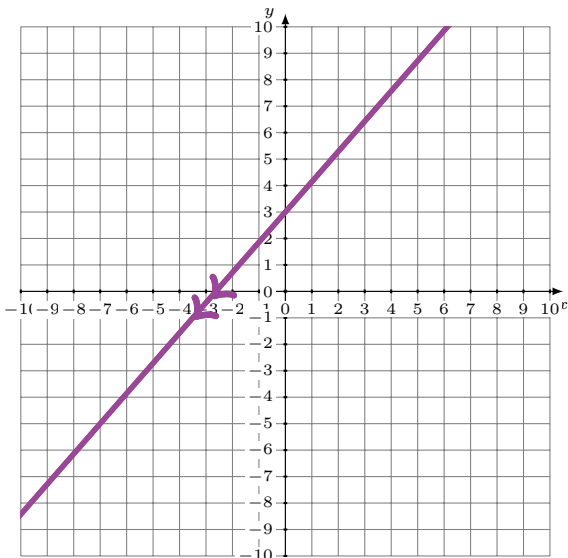
Solution:  $(-9, -1)$

2.  $y = -x - 9$   
 $16x - y = -8$



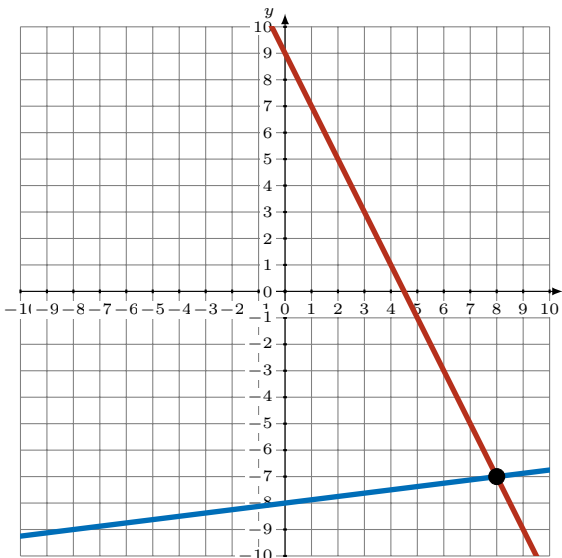
Solution:  $(-1, -8)$

3.  $y = \frac{8}{7}x + 3$   
 $8x - 7y = -21$



Solution: **Infinite Solutions (Dependent)**

4.  $2x + y = 9$   
 $y = \frac{1}{8}x - 8$



Solution:  $(8, -7)$