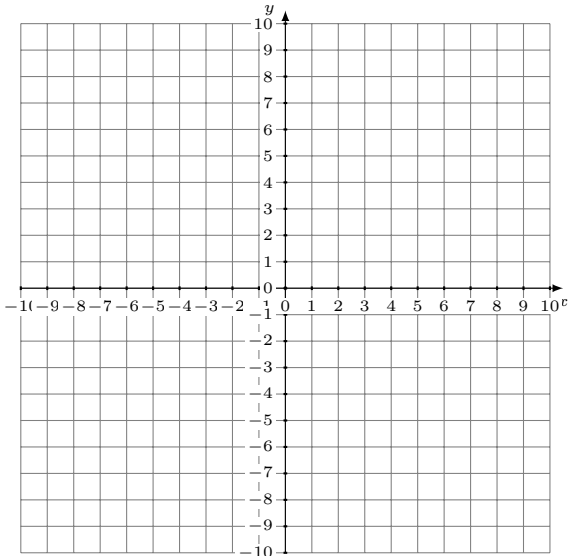


# Inconsistent Linear Systems (J)

Graph each system and identify the inconsistent system.

1.  $12x - 7y = -35$

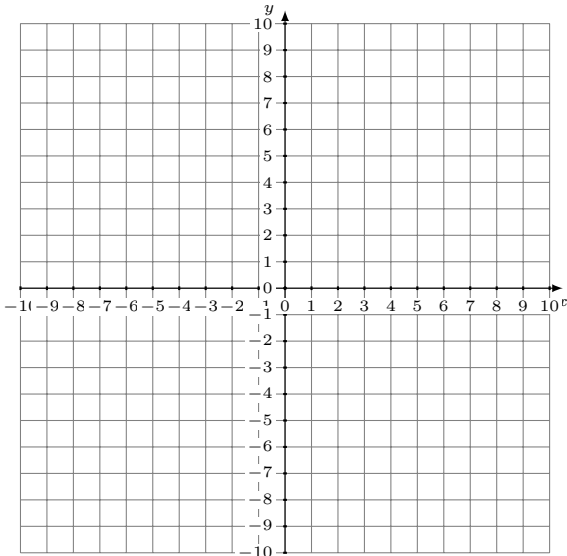
$$y = \frac{3}{7}x - 4$$



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

2.  $8x + 5y = -30$

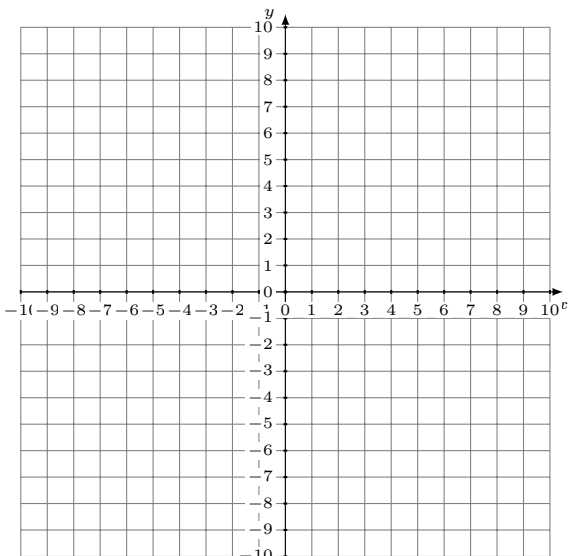
$$y = -\frac{8}{5}x - 8$$



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

3.  $x - 5y = -30$

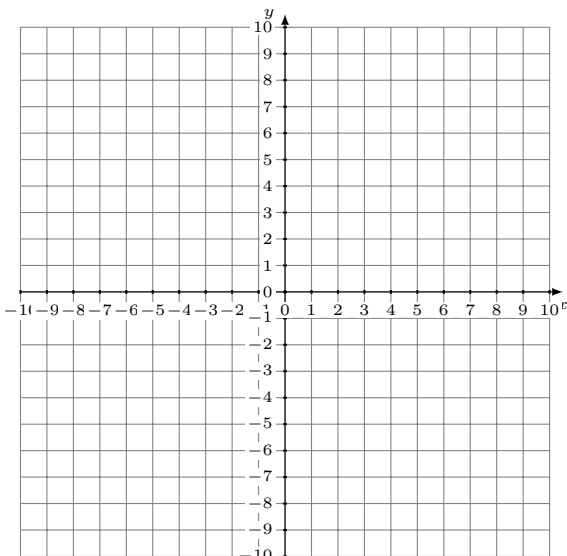
$$y = -\frac{12}{5}x - 7$$



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

4.  $6x + y = -5$

$$y = 1$$

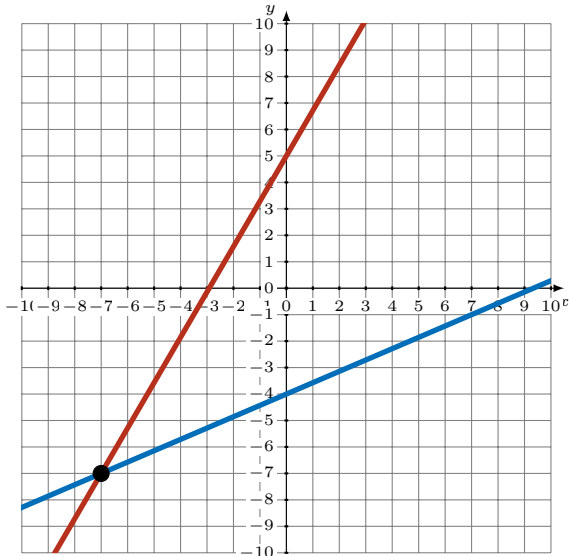


Solution: (----,----)

# Inconsistent Linear Systems (J) Answers

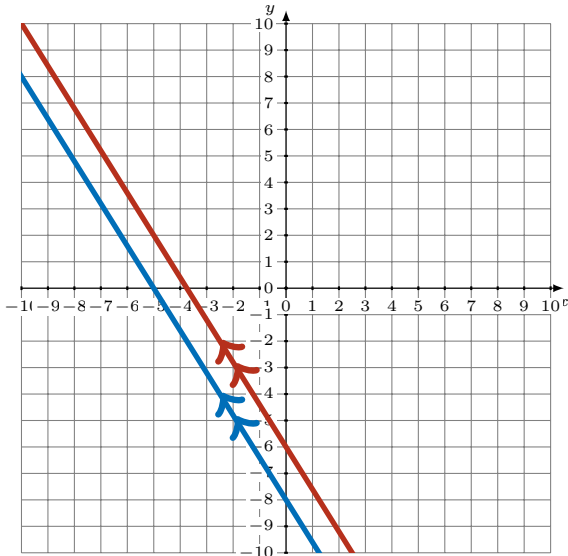
Graph each system and identify the inconsistent system.

1.  $12x - 7y = -35$   
 $y = \frac{3}{7}x - 4$



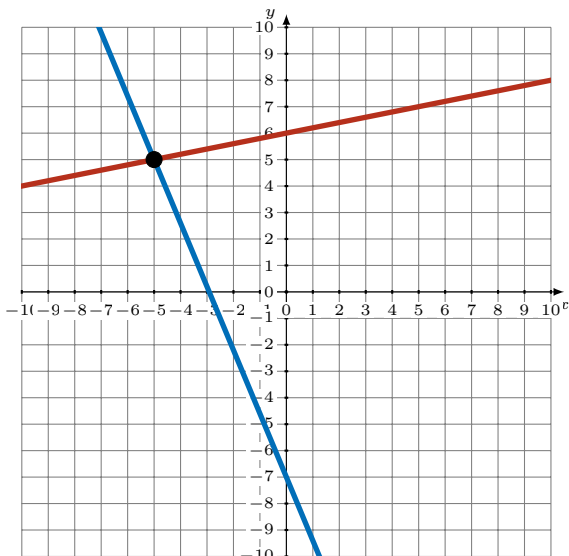
Solution:  $(-7, -7)$

2.  $8x + 5y = -30$   
 $y = -\frac{8}{5}x - 8$



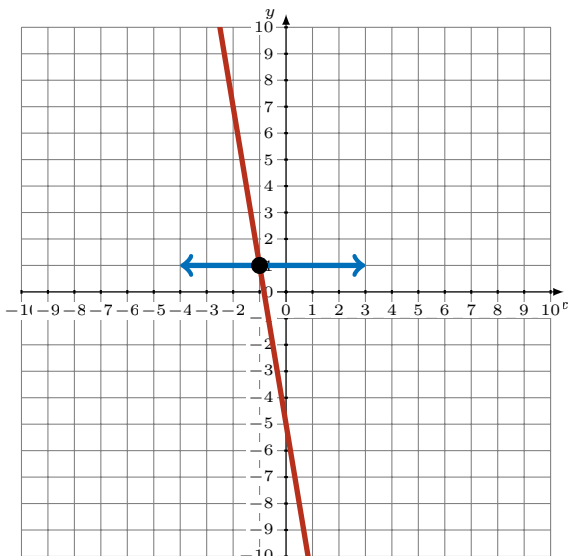
Solution: **No Solution (Inconsistent)**

3.  $x - 5y = -30$   
 $y = -\frac{12}{5}x - 7$



Solution:  $(-5, 5)$

4.  $6x + y = -5$   
 $y = 1$



Solution:  $(-1, 1)$