

Dependent Linear Systems (I)

Graph each system and identify the dependent system.

1. $x + 3y = -15$
 $y = -\frac{1}{3}x - 5$



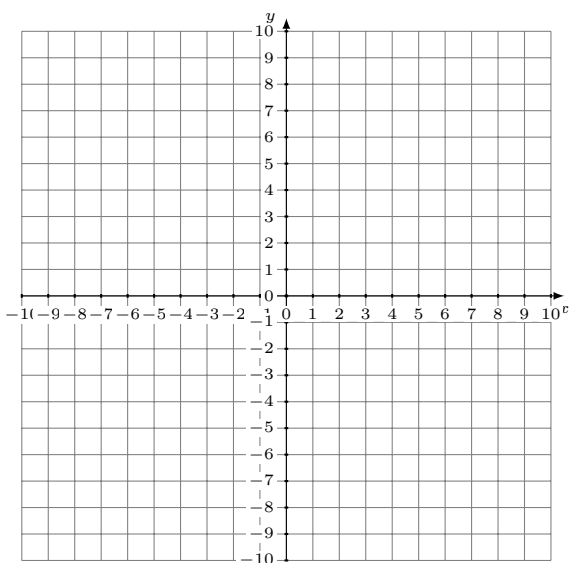
Solution: (----,----)

2. $y = -\frac{5}{4}x + 9$
 $5x - 4y = 4$



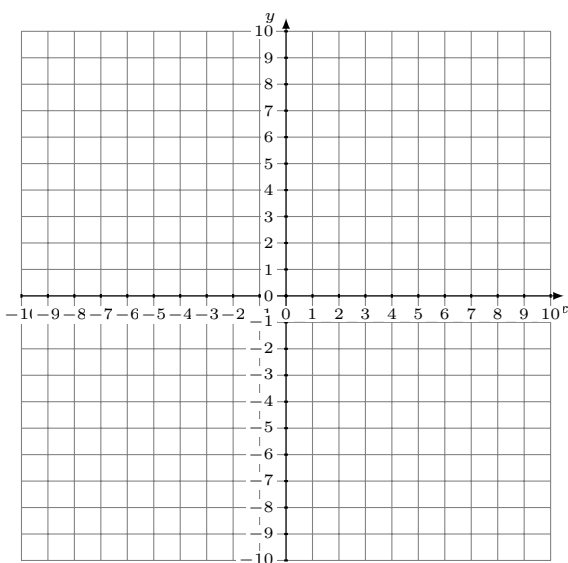
Solution: (----,----)

3. $y = \frac{11}{3}x - 7$
 $y = 4$



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

4. $y = \frac{5}{4}x + 2$
 $x - y = -3$

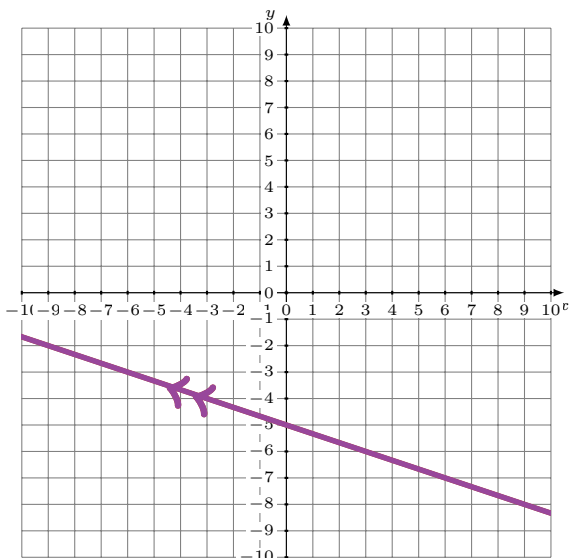


Solution: (----,----)

Dependent Linear Systems (I) Answers

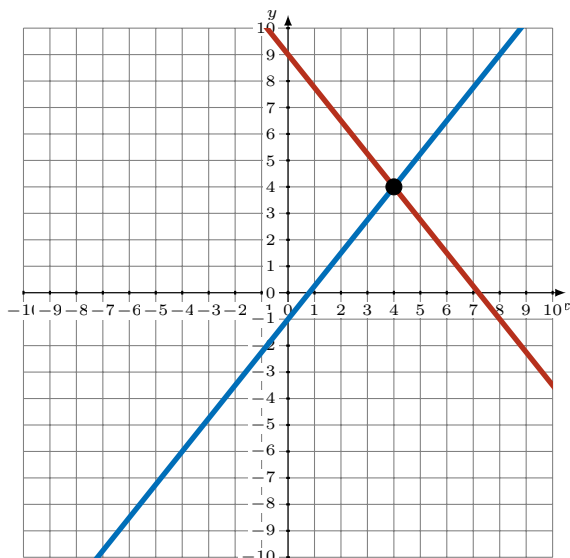
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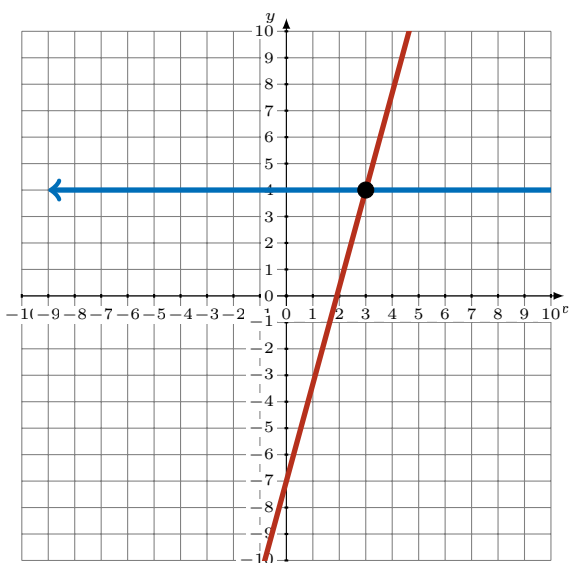
Solution: Infinite Solutions (Dependent)

2. $y = -\frac{5}{4}x + 9$
 $5x - 4y = 4$



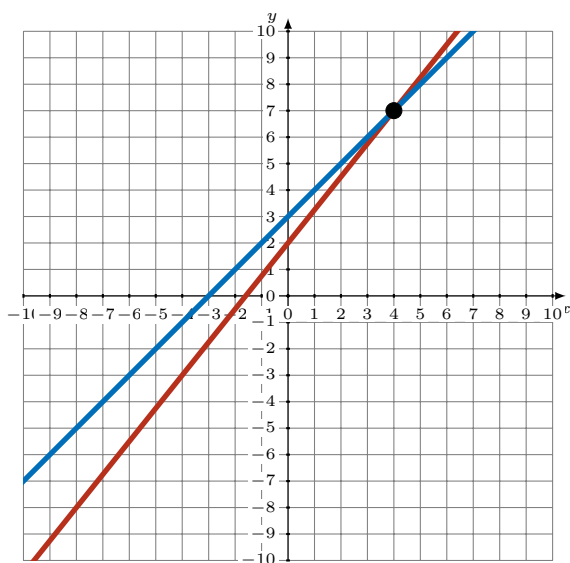
Solution: (4,4)

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 $y = 4$



Solution: (3,4)

4. $y = \frac{5}{4}x + 2$
 $x - y = -3$



Solution: (4,7)