

Dependent Linear Systems (F)

Graph each system and identify the dependent system.

1.
$$y = \frac{9}{8}x + 7$$
$$x + 8y = -24$$



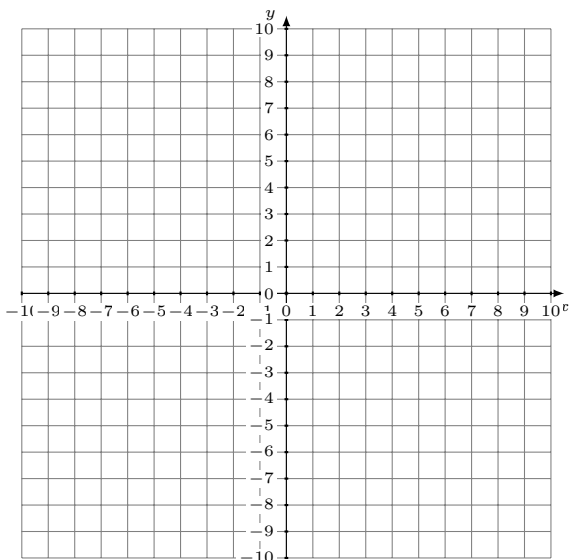
Solution: (____,____)

2.
$$3x - y = 0$$
$$y = \frac{4}{3}x - 5$$



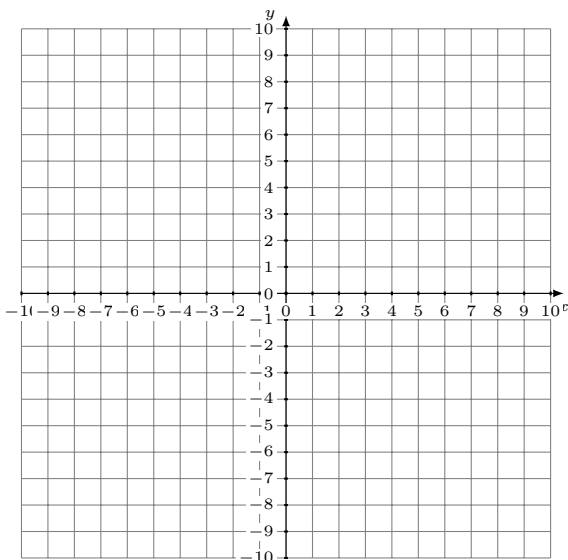
Solution: (____,____)

3.
$$3x + 8y = 32$$
$$y = \frac{3}{8}x - 2$$



Solution: (____,____)

4.
$$x - y = -8$$
$$y = x + 8$$

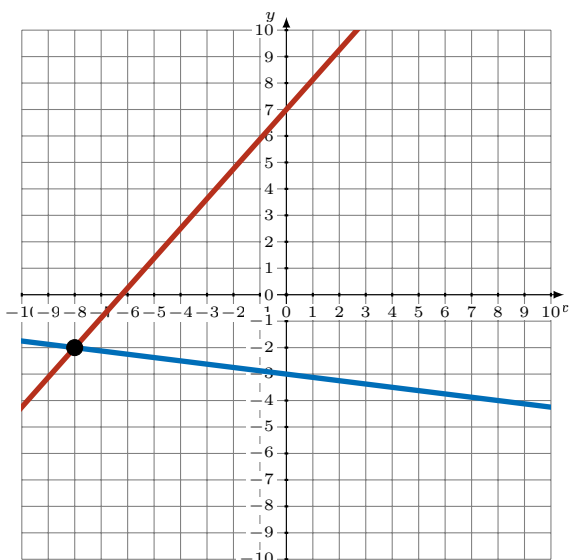


Solution: (____,____)

Dependent Linear Systems (F) Answers

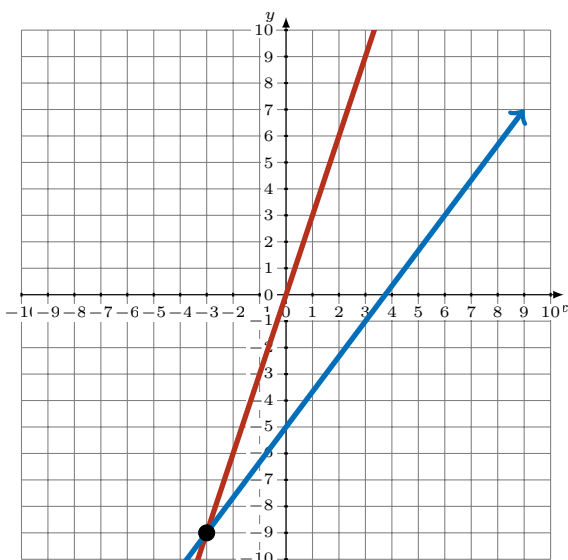
Graph each system and identify the dependent system.

1. $y = \frac{9}{8}x + 7$
 $x + 8y = -24$



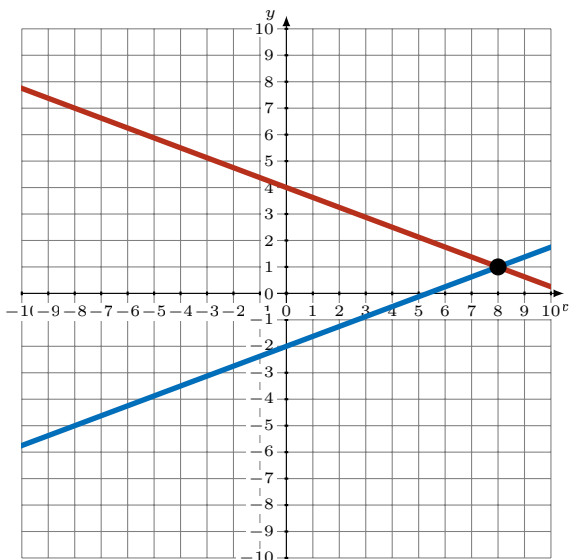
Solution: $(-8, -2)$

2. $3x - y = 0$
 $y = \frac{4}{3}x - 5$



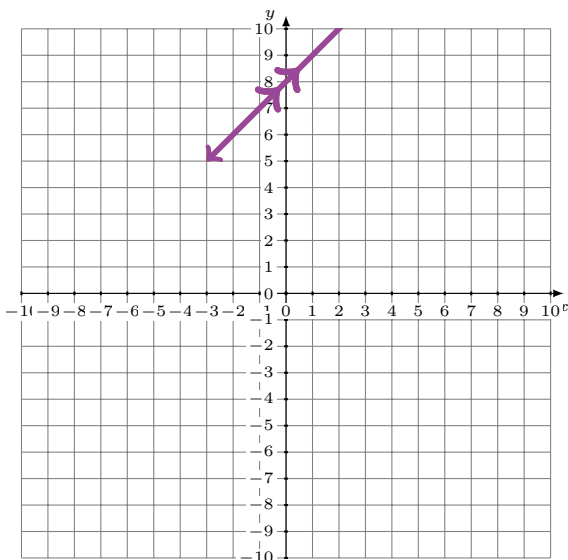
Solution: $(-3, -9)$

3. $3x + 8y = 32$
 $y = \frac{3}{8}x - 2$



Solution: $(8, 1)$

4. $x - y = -8$
 $y = x + 8$



Solution: Infinite Solutions (Dependent)