

61-65 → A

55-60 → B

47-54 → C

42-46 → D

41 ↓ → F

65*.84	60.45
65*.72	54.6
65*.64	46.8
	41.6

①

$$y = 2x - 3$$

$$-y = \frac{2x-1}{-1}$$

$$y = -2x + 1$$

$$(1, -1)$$

$$y = 2x - 3 \quad -y = 2x - 1$$

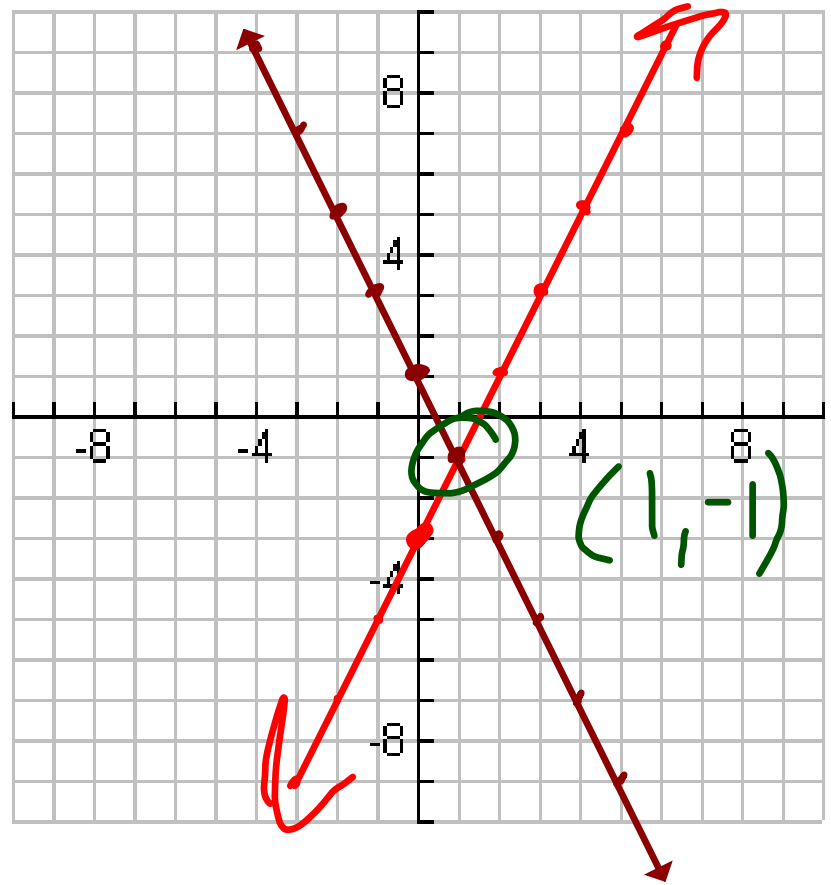
$$(-1) \stackrel{?}{=} 2(1) - 3 \quad -(-1) \stackrel{?}{=} 2(1) - 1$$

$$-1 \stackrel{?}{=} 2 - 3$$

$$-1 = -1 \quad \checkmark$$

$$1 \stackrel{?}{=} 2 - 1$$

$$1 = 1 \quad \checkmark$$



$$\textcircled{2} \quad 4x - y = 10$$

$$-2x + 4y = 16$$

$$\rightarrow 4x - y = 10$$

$$\begin{array}{r} -4x \quad -4x \\ \hline \end{array}$$

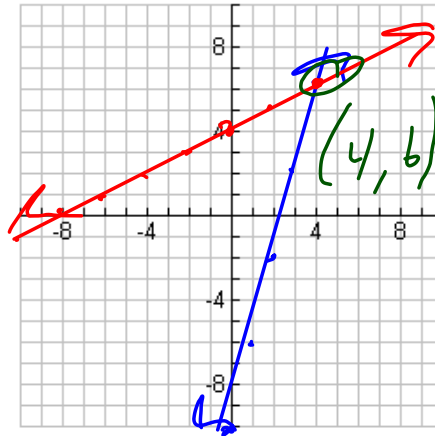
$$\begin{array}{r} -y = -4x + 10 \\ \hline -1 \quad -1 \quad -1 \end{array}$$

$$\boxed{y = 4x - 10}$$

$$\rightarrow -2x + 4y = 16$$
$$\begin{array}{r} +2x \quad +2x \\ \hline \end{array}$$

$$\begin{array}{r} 4y = 2x + 16 \\ \hline 4 \quad 4 \quad 4 \end{array}$$

$$\boxed{y = \frac{1}{2}x + 4}$$



check ✓

⑤ $7x + 4y = 5$ $\rightarrow 7(6y - 19) + 4y = 5$

* $x - 6y = -19$

$$\begin{array}{r} x - 6y = -19 \\ +6y \quad +6y \\ \hline \end{array}$$

$x = (6y - 19)$

$x = 6(3) - 19$

$x = 18 - 19$

$x = -1$

$(-1, 3)$

$42y - 133 + 4y = 5$

$46y - 133 = 5$
 $+133 + 133$

$46y = 138$

$46 \quad 46$

$y = 3$

$$\textcircled{4} \quad -4x + 7y = -2 \rightarrow 4(-y + 5) + 7y = -2$$

$$* \quad \underline{x} = -x - 5$$

$$x = (-y - 5)$$

$$\underline{4y + 20} + \underline{7y} = -2$$

$$11y + 20 = -2$$

$$\underline{-20} \quad \underline{+20}$$

$$\frac{11y}{11} = \frac{-22}{11}$$

$$x = -(-2) - 5$$

$$x = 2 - 5$$

$$x = -3$$

$$(-3, -2)$$

$$y = -2$$

$$\textcircled{11} \quad \begin{aligned} 4x + 4y &= -8 \\ 2x - 2y &= -4 \end{aligned}$$

$$\begin{aligned} \rightarrow 4x + 4y &= -8 \\ -4x & \quad -4x \\ \hline 4y &= 4x - 8 \\ \frac{4y}{4} &= \frac{4x}{4} - \frac{8}{4} \\ \boxed{y} &= -x - 2 \end{aligned}$$

$$\begin{aligned} \rightarrow 2x - 2y &= -4 \\ -2x & \quad -2x \\ \hline -2y &= -2x - 4 \\ \frac{-2y}{-2} &= \frac{-2x}{-2} - \frac{4}{-2} \\ \boxed{y} &= x + 2 \end{aligned}$$

$$\begin{aligned} y &= y \\ -1x - 2 &= 1x + 2 \\ +1x & \quad -1x \\ \hline -2 &= 2x + 2 \\ \cdot 2 & \quad -2 \\ \hline -4 &= 2x \\ \frac{-4}{2} &= \frac{2x}{2} \end{aligned}$$

$$\boxed{-2 = x}$$

$$\boxed{(-2, 0)}$$

$$\begin{aligned} y &= 1(-2) + 2 \\ y &= -2 + 2 \\ y &= 0 \end{aligned}$$

$$\textcircled{13} \begin{cases} 15x - 5y = -20 \\ -3x + y = 4 \end{cases}$$

$$\begin{array}{r} \rightarrow 15x - 5y = -20 \\ -15x \quad -15x \\ \hline -5x = -15x + 20 \\ \hline -5 \quad -5 \quad -5 \end{array}$$

$$\boxed{\cancel{y} = 3x + 4}$$

$$\rightarrow \boxed{y = 3x + 4}$$

Same Slope
Same y-int
 \Rightarrow Same line

$\Rightarrow \infty$ Many Solⁿ

$$\textcircled{12} \quad -6x + 2y = -2$$

$$-4x - y = 8$$

$$\rightarrow -6x + 2y = -2$$

$$\begin{array}{r} +6x \qquad +6x \\ \hline \end{array}$$

$$\frac{2y}{2} = \frac{6x-2}{2}$$

$$y = 3x - 1$$

$$\rightarrow -4x - y = 8$$

$$\begin{array}{r} +4x \qquad +4x \\ \hline \end{array}$$

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

$$y = -4x - 8$$

$$\boxed{(-1, -4)}$$

$$y = y$$

$$\begin{array}{r} 3x - 1 = -4x - 8 \\ +4x \qquad +4x \\ \hline \end{array}$$

$$\begin{array}{r} 7x - 1 = -8 \\ +1 \qquad +1 \\ \hline \end{array}$$

$$\frac{7x}{7} = \frac{-7}{7}$$

$$x = -1$$

$$y = -4(-1) - 8$$

$$y = 4 - 8$$

$$y = -4$$

$$\textcircled{14} \begin{cases} 2x + y = -1 \\ -6x - 3y = -15 \end{cases}$$

$$\rightarrow y = -2x - 1$$

$$\rightarrow -6x - 3y = -15$$

$$\begin{array}{r} +6x \quad +6x \\ \hline \end{array}$$

$$\begin{array}{r} -3y = 6x - 15 \\ \hline -3 \quad -3 \quad -3 \end{array}$$

$$y = -2x + 5$$

Same Slope
Diff. y-int.
 \Rightarrow Parallel lines
 \Rightarrow No Solution

$$\textcircled{10} \begin{array}{l} -4(5e + 4f = 9) \\ 5(4e + 5f = 9) \end{array}$$