

Algebra 1

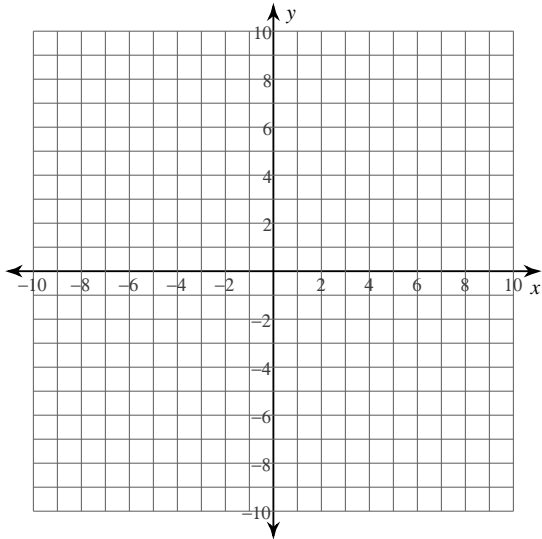
7.1 Extra Practice - Solve System by Graphing

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Solve each system by graphing.

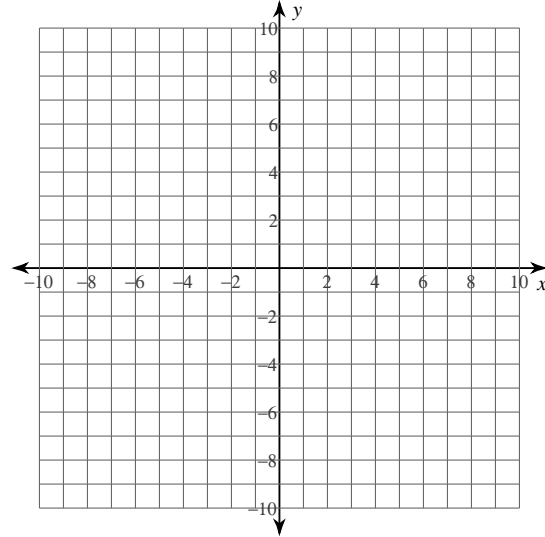
1) $y = \frac{3}{5}x - 1$

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



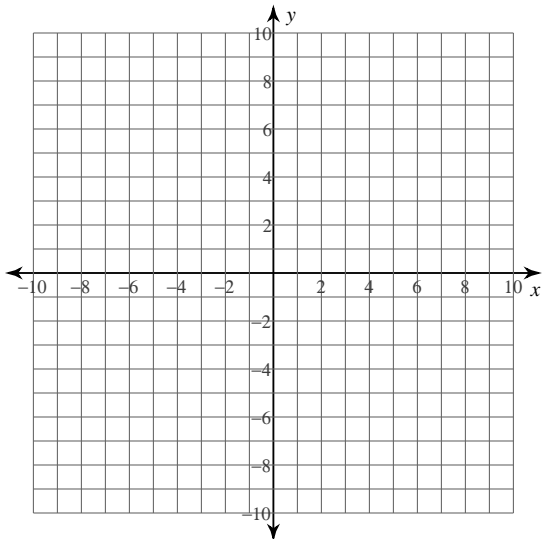
2) $y = -x + 5$

$y = \frac{11}{3}x - 9$



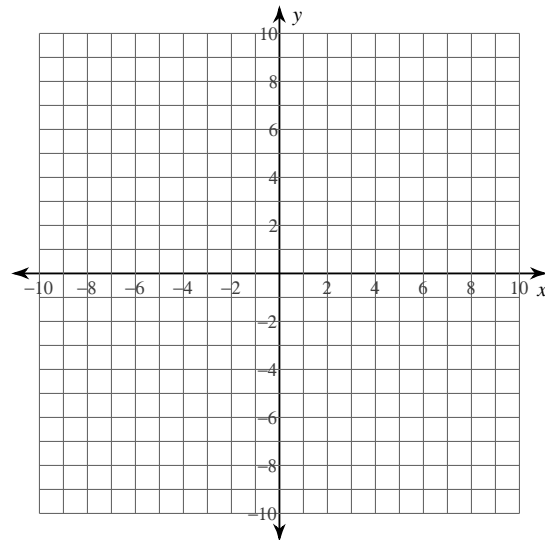
3) $y = \frac{9}{4}x - 3$

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



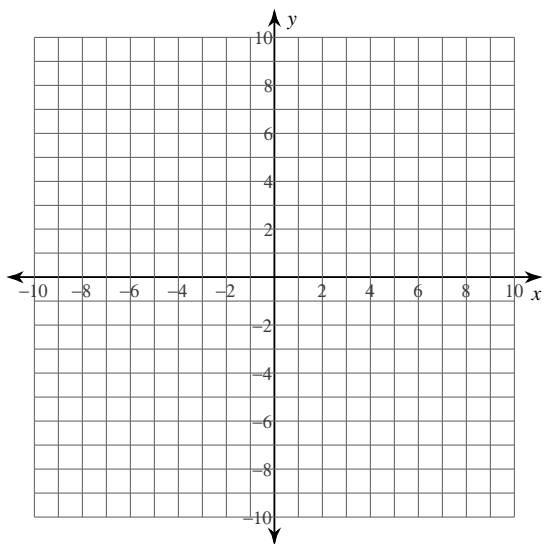
4) $y = 2x + 5$

$y = 2x - 9$



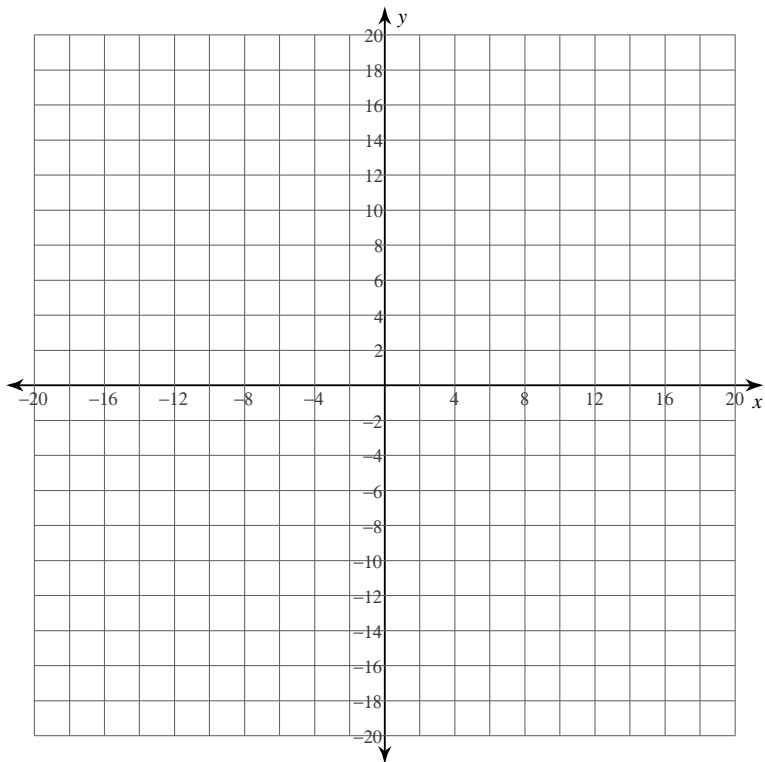
$$5) y = \frac{7}{9}x - 8$$

$$y = -\frac{10}{9}x + 9$$



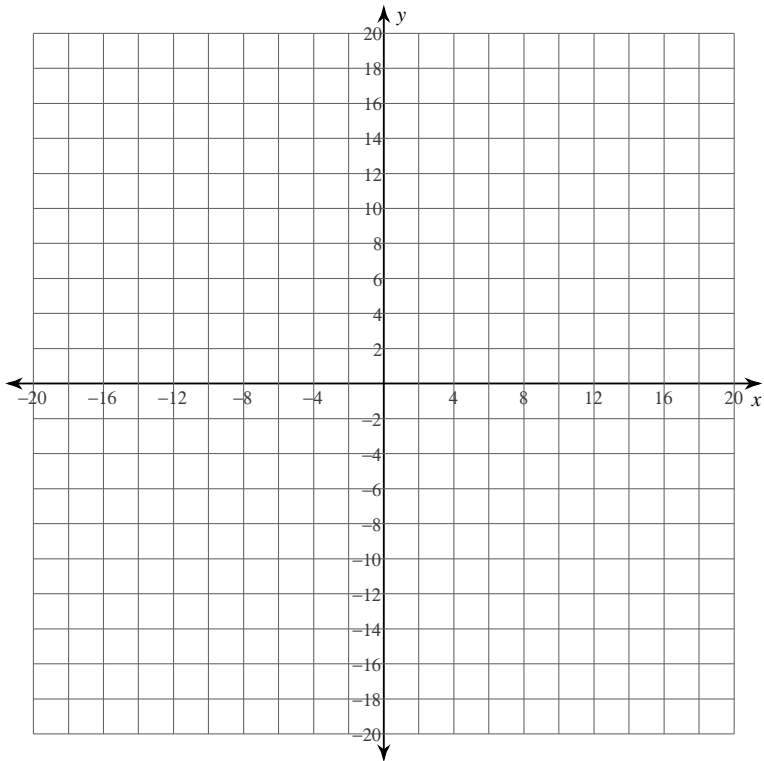
$$6) y = -\frac{1}{3}x - 17$$

$$y = \frac{7}{6}x - 8$$



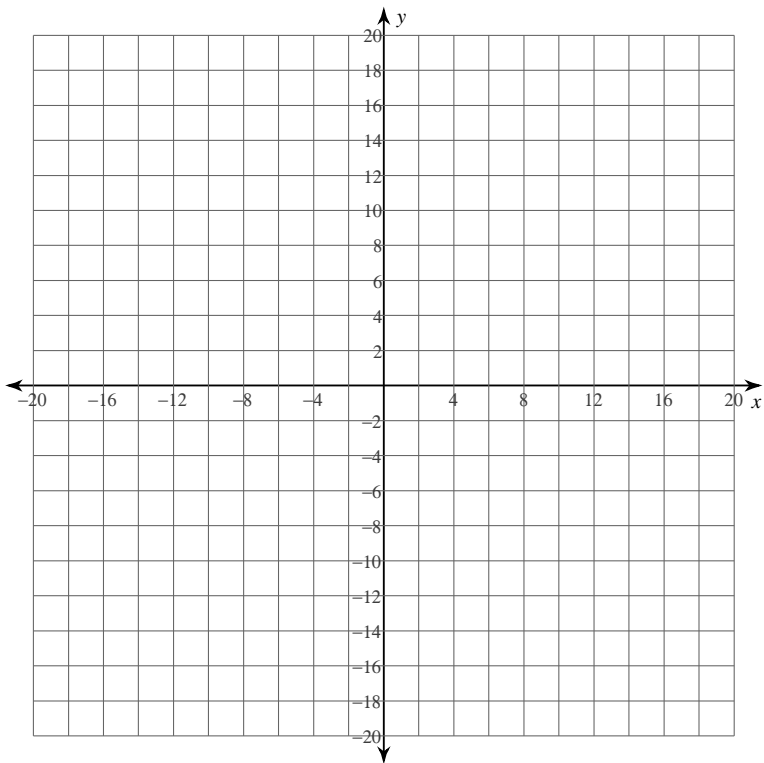
$$7) y = \frac{1}{10}x - 13$$

$$y = -\frac{13}{10}x + 1$$



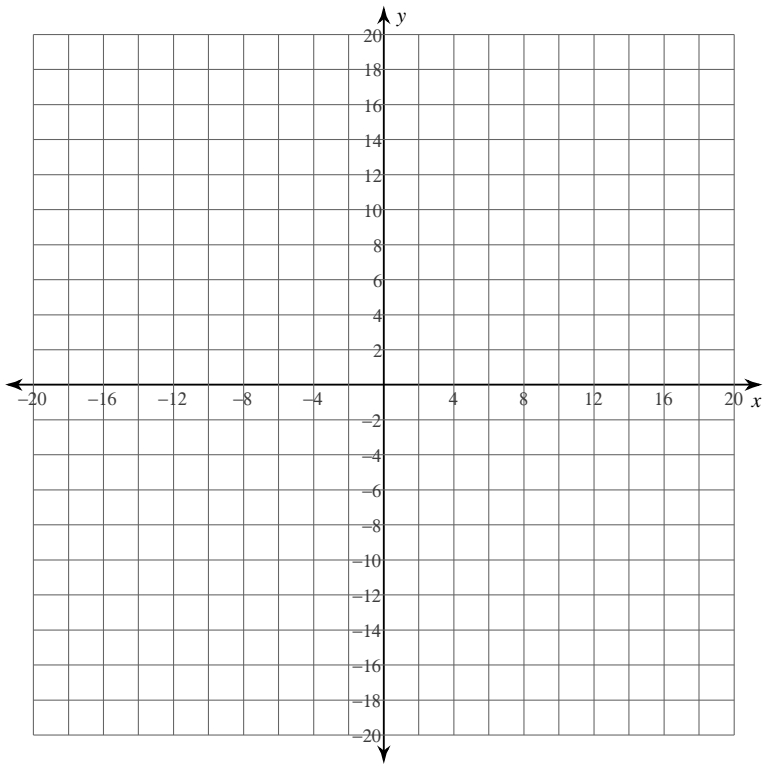
$$8) y = -\frac{3}{2}x - 17$$

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



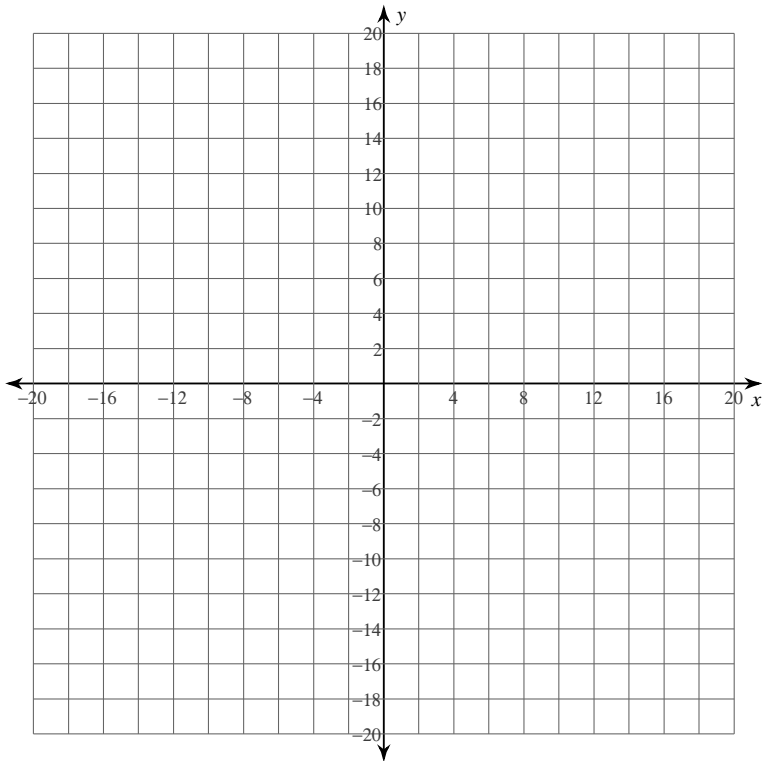
$$9) y = \frac{2}{17}x - 7$$

$$x = 17$$



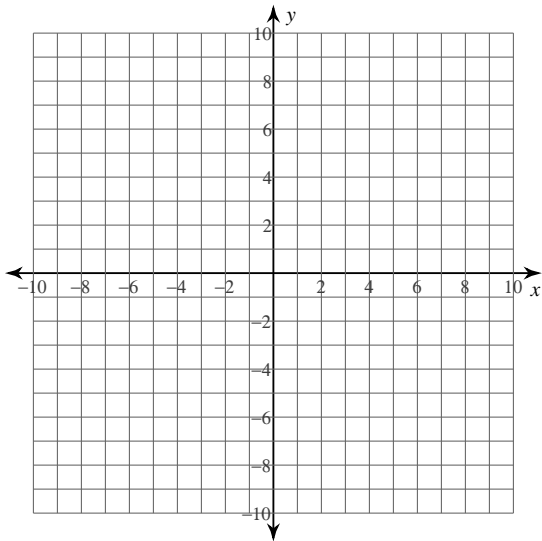
$$10) y = -\frac{6}{5}x - 6$$

$$y = -\frac{3}{10}x - 15$$



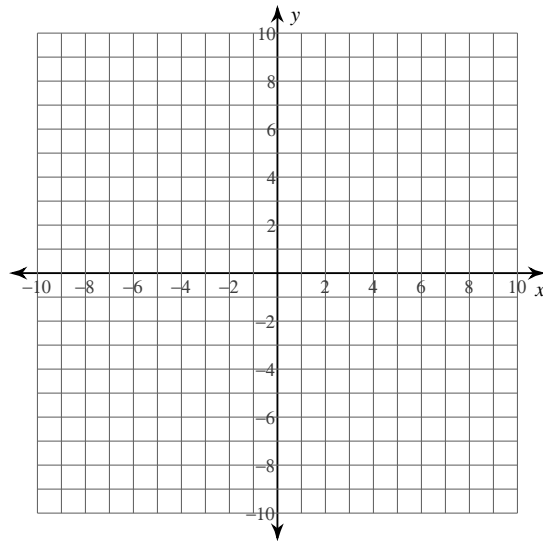
$$11) 11x - 7y = -35$$

$$x - 7y = 35$$

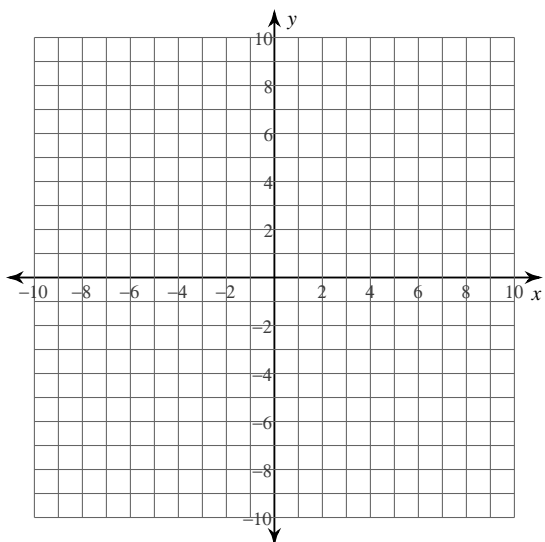


$$12) 7x - 4y = 4$$

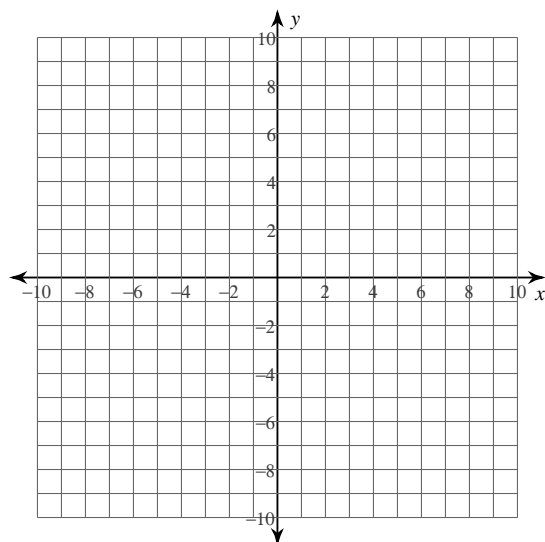
$$x + 2y = 16$$



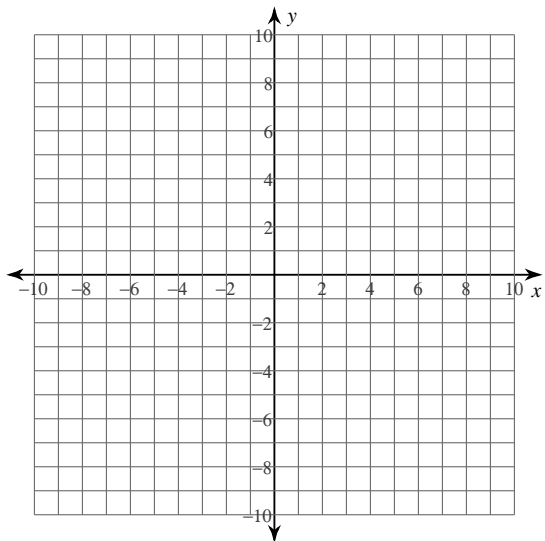
13) $x - y = 7$
 $6x - y = -3$



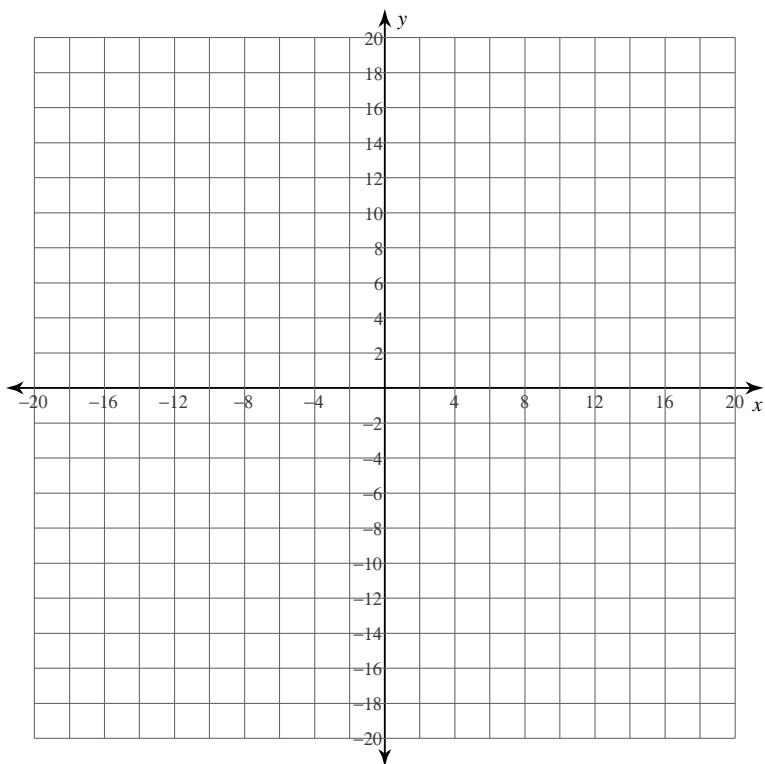
14) $2x - 3y = -3$
 $2x + 3y = -21$



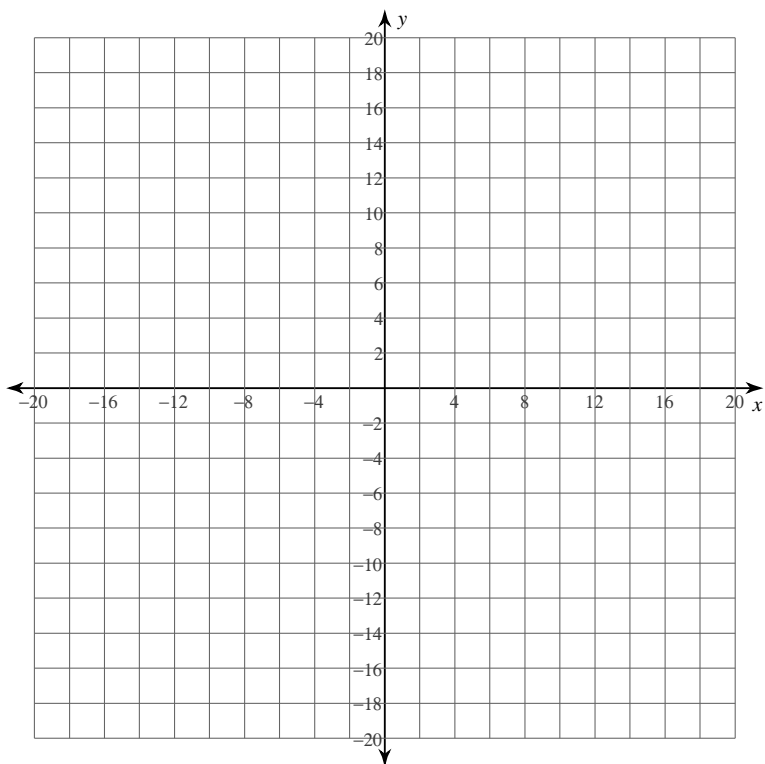
15) $15x - 4y = 28$
 $3x - 4y = -20$



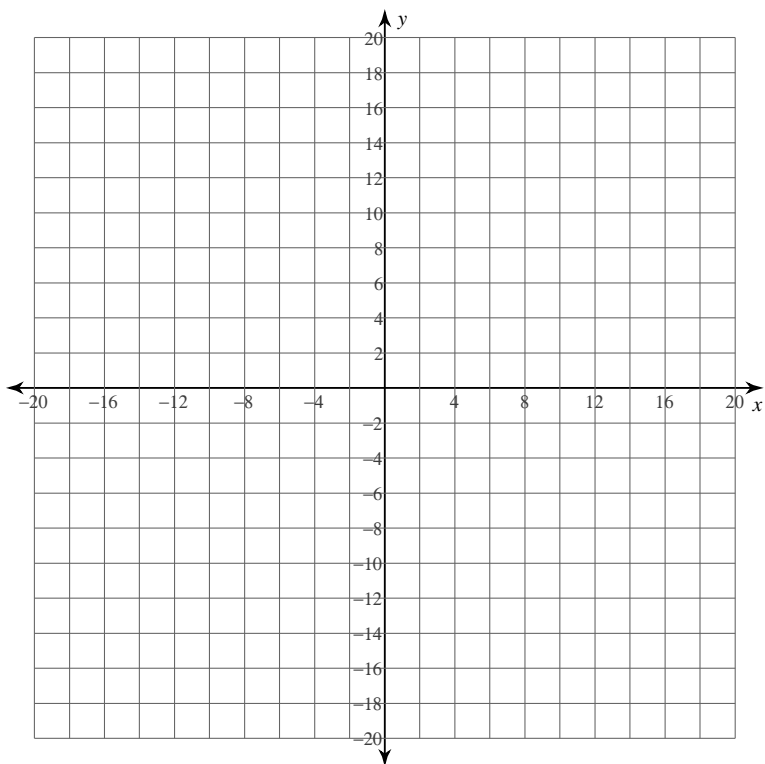
16) $2x - y = -10$
 $2x - y = 6$



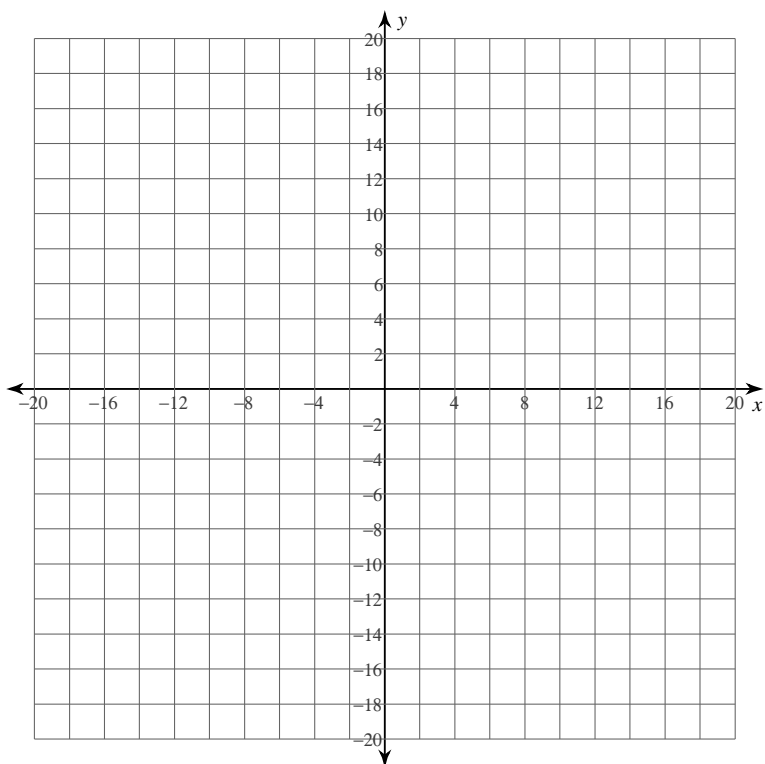
17) $10x - 7y = -63$
 $3x + 14y = -196$



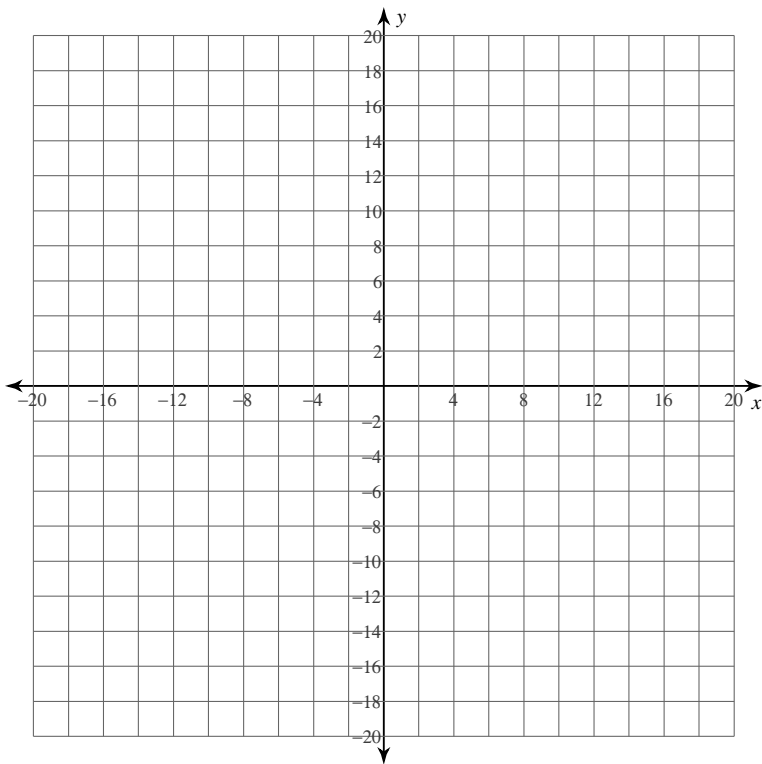
18) $36x - y = 18$
 $x + y = 19$



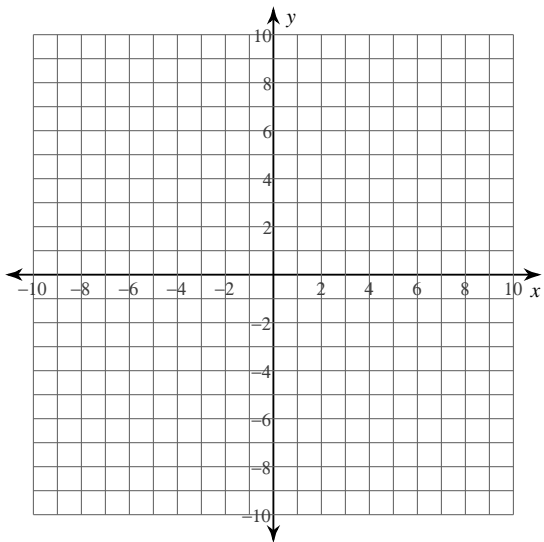
19) $4x + 9y = -99$
 $x - 3y = 54$



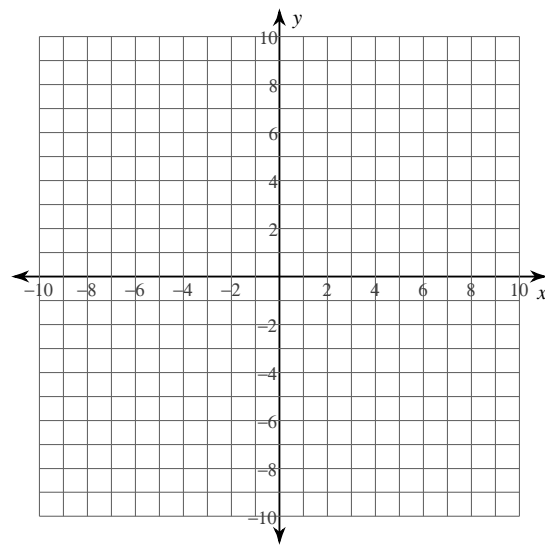
$$20) \begin{aligned} 2x + 7y &= 77 \\ 2x - 7y &= -133 \end{aligned}$$



$$21) \begin{aligned} -1 - \frac{1}{4}y &= -2x \\ y + 2x &= 6 \end{aligned}$$

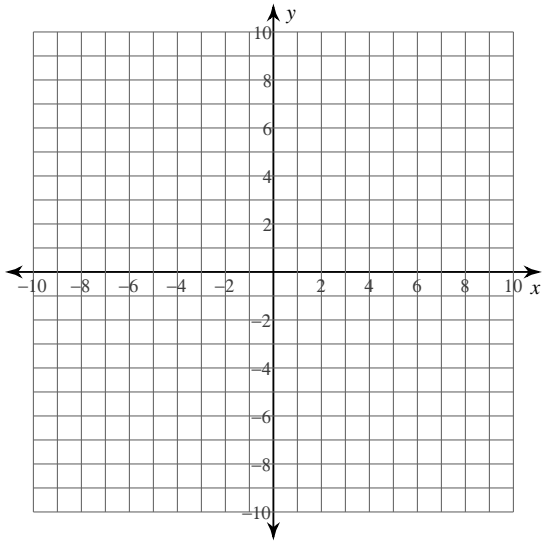


$$22) \begin{aligned} -x &= -3y + 18 \\ -9y &= 81 - 48x \end{aligned}$$



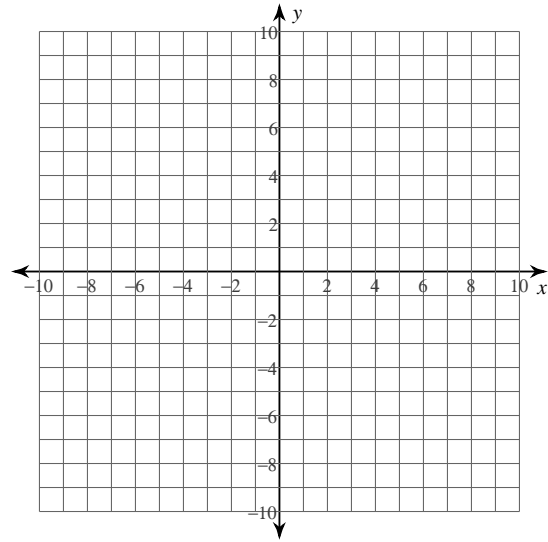
$$23) 5 - x = -y$$

$$x - \frac{1}{5}y + \frac{7}{5} = 0$$



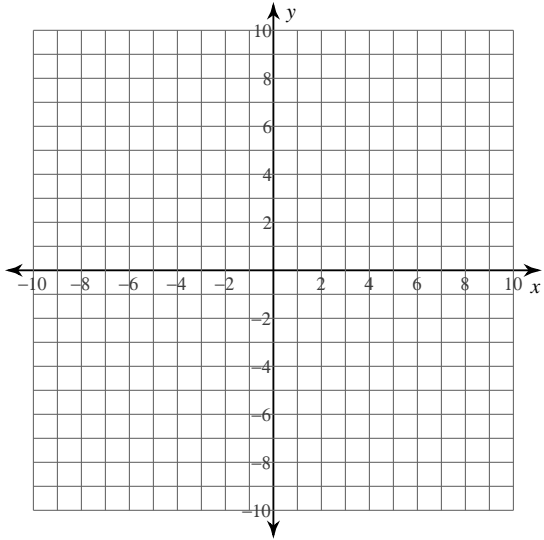
$$24) -2 = -x + 2y$$

$$-x = 8$$

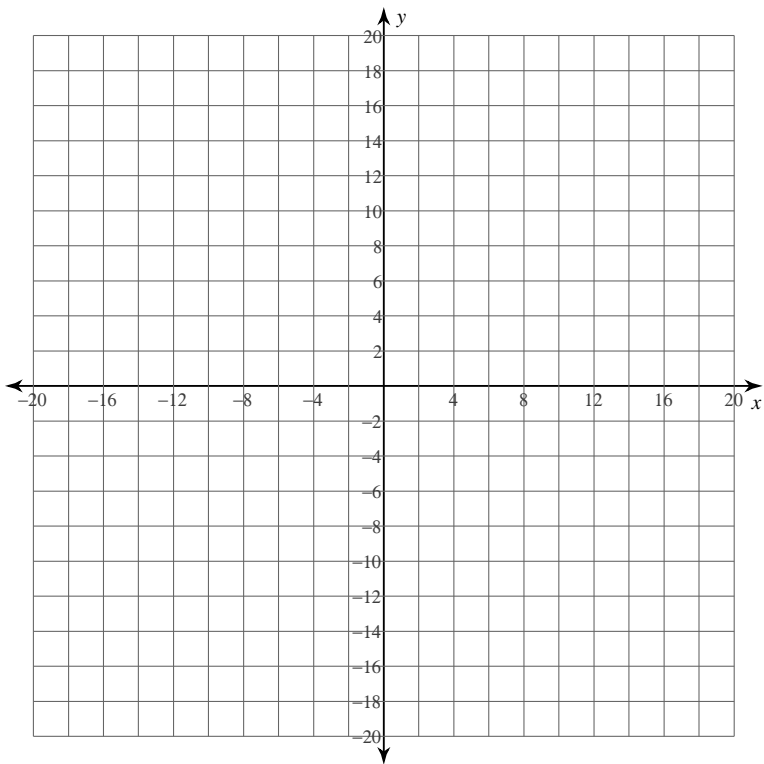


$$25) -\frac{7}{2}y = -x + \frac{7}{2}$$

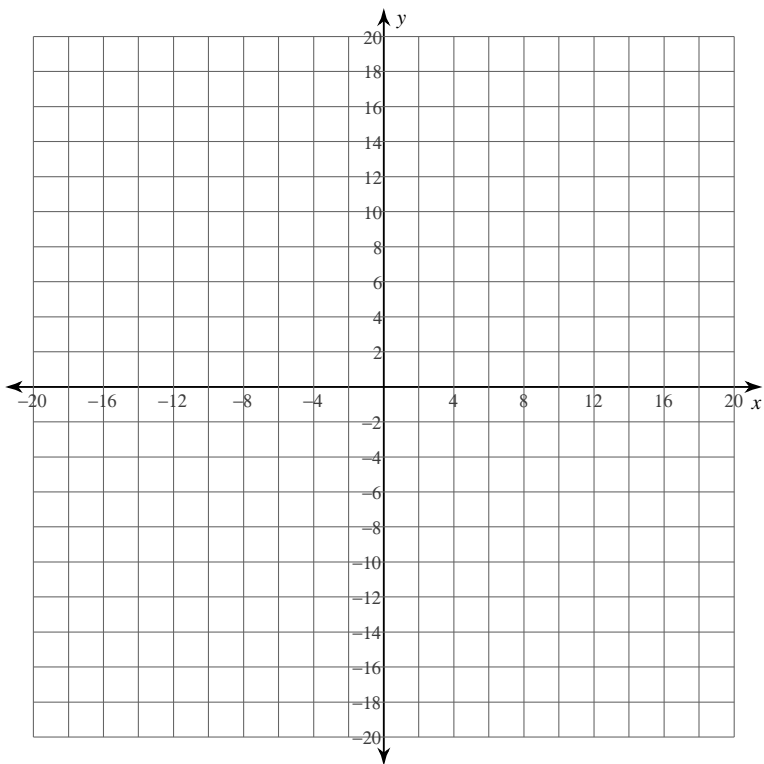
$$7y - 9x = -56$$



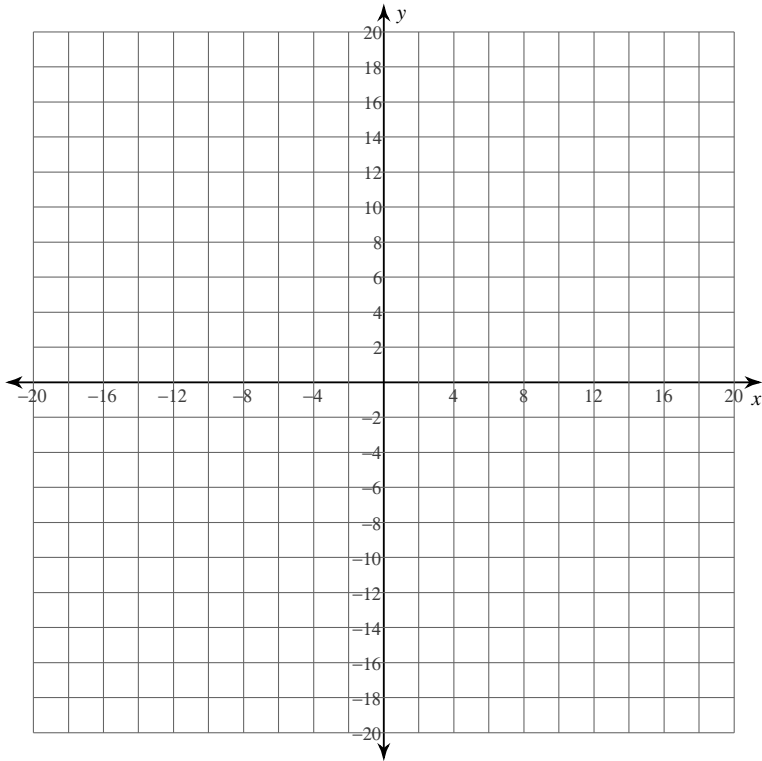
26) $8 = 8y - 5x$
 $-5x - 16y = -256$



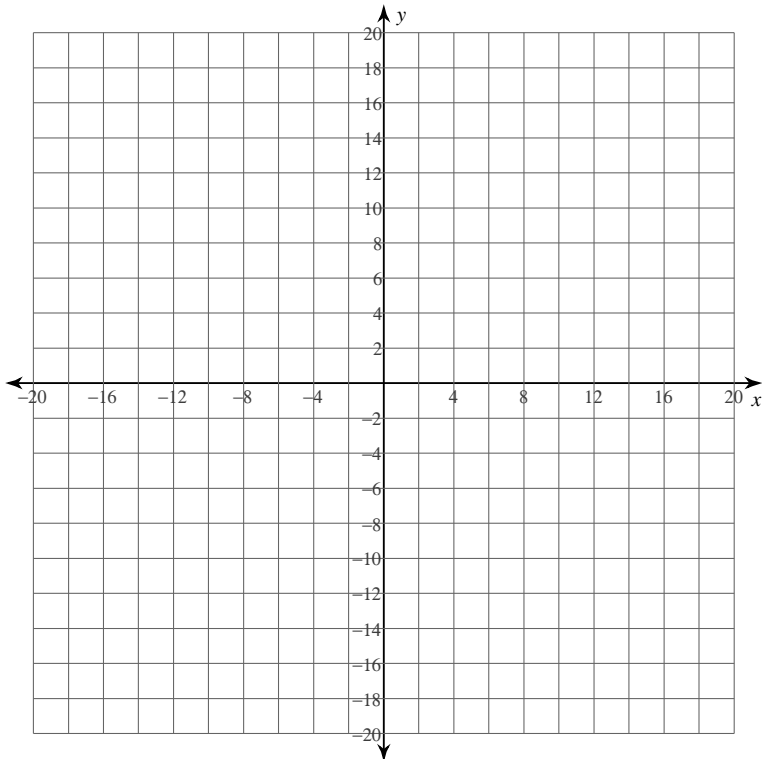
27) $57 = 3x - 3y$
 $15 = 33x + y$



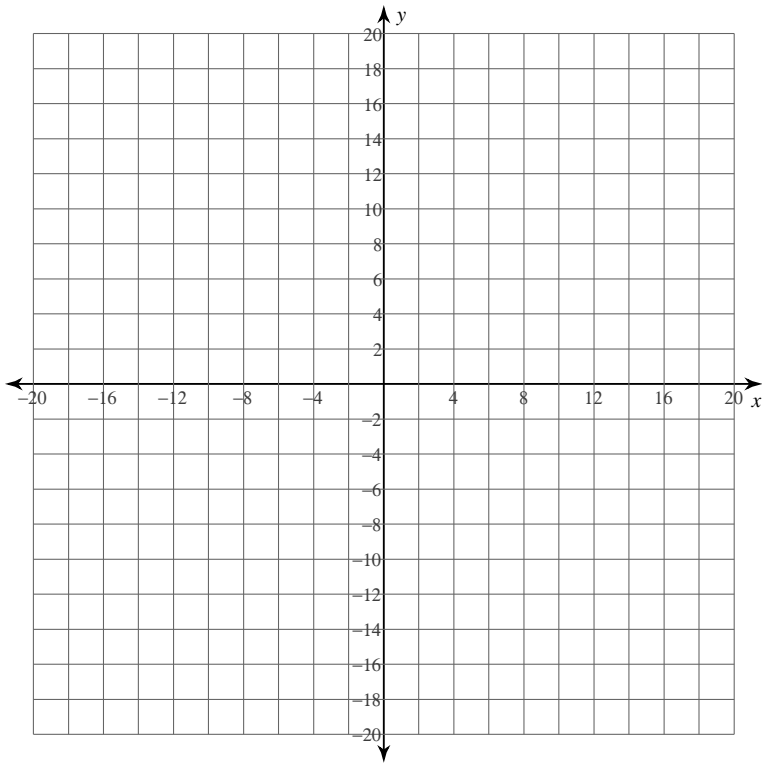
$$28) \frac{119}{9} - \frac{7}{9}y = -x$$
$$21y = 105 - 9x$$



$$29) 5x - 16y + 208 = 0$$
$$64 - 13x = -8y$$



$$30) \begin{aligned} -16 &= -x - y \\ 6 &= -y + 21x \end{aligned}$$



Algebra 1

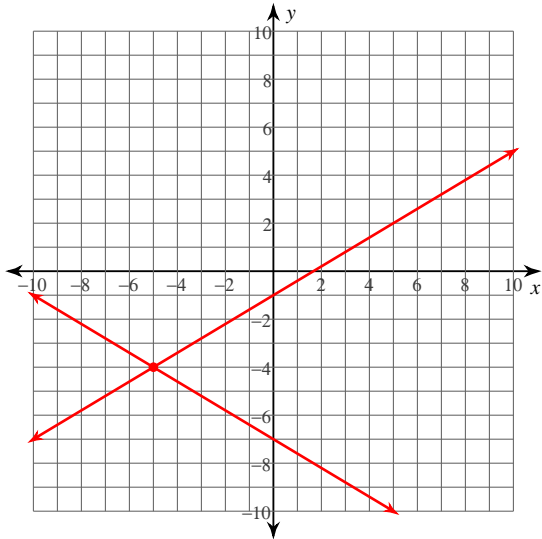
7.1 Extra Practice - Solve System by Graphing

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Solve each system by graphing.

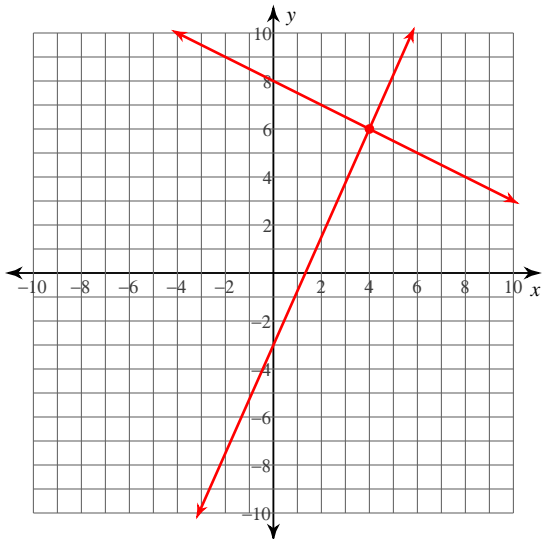
$$1) \ y = \frac{3}{5}x - 1$$

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

 $(-5, -4)$

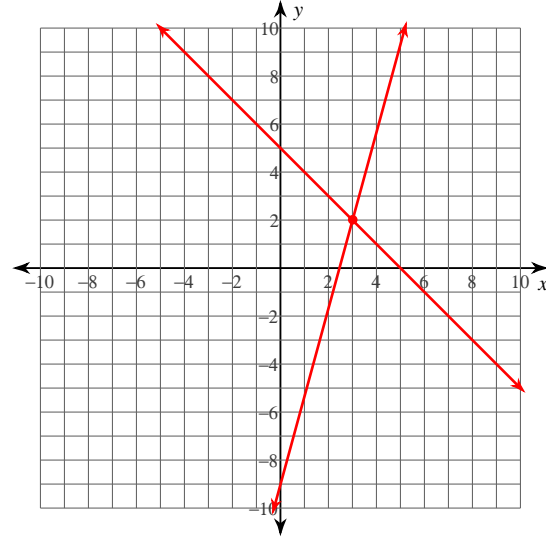
$$3) \ y = \frac{9}{4}x - 3$$

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

 $(4, 6)$

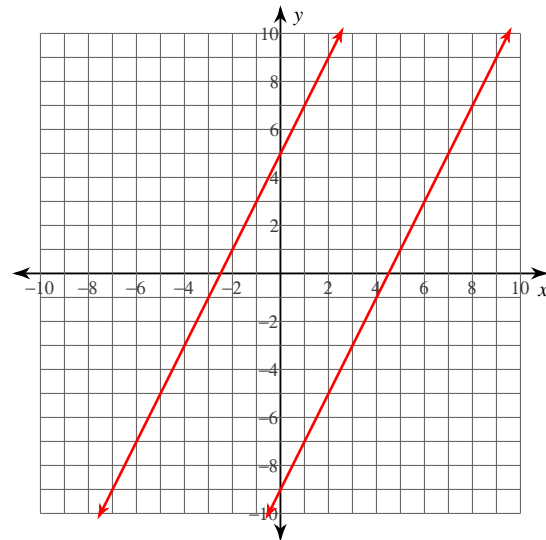
$$2) \ y = -x + 5$$

$$y = \frac{11}{3}x - 9$$

 $(3, 2)$

$$4) \ y = 2x + 5$$

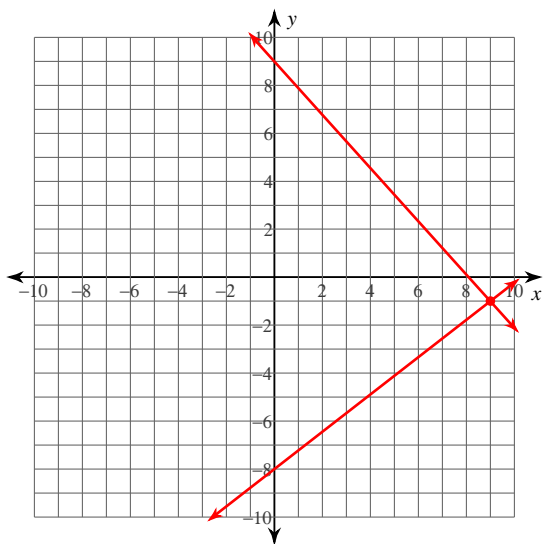
$$y = 2x - 9$$



No solution

$$5) y = \frac{7}{9}x - 8$$

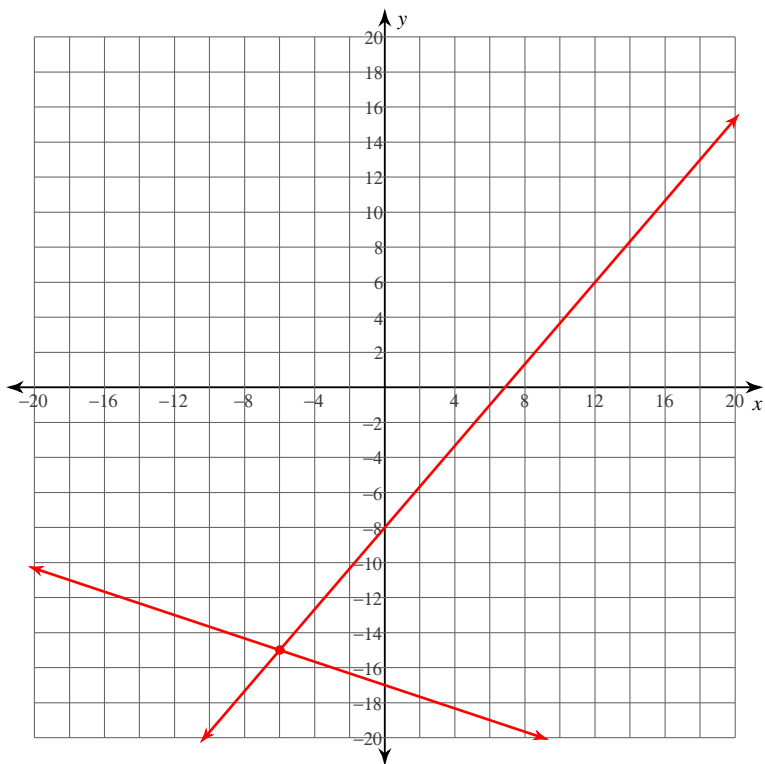
$$y = -\frac{10}{9}x + 9$$



(9, -1)

$$6) y = -\frac{1}{3}x - 17$$

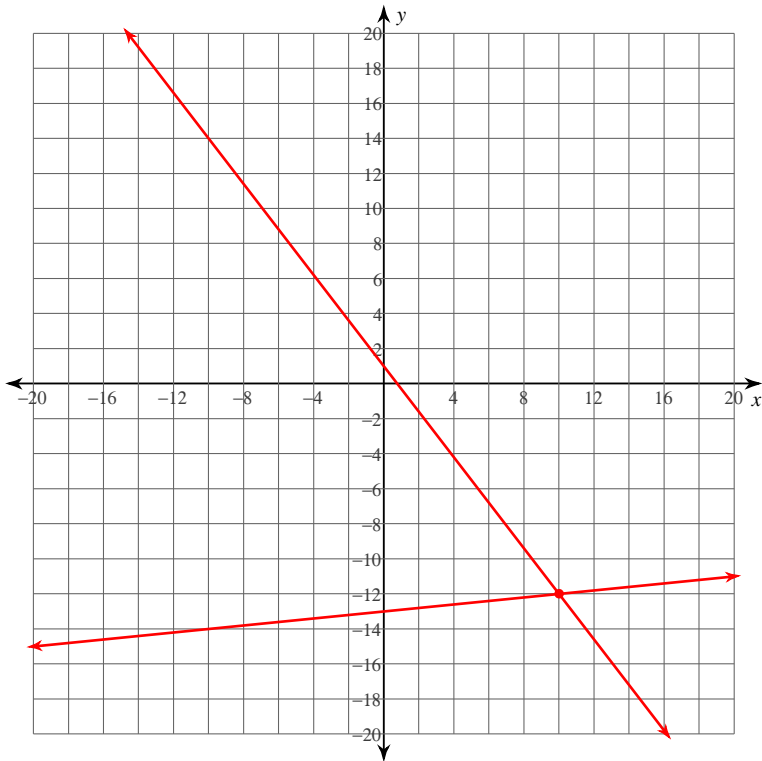
$$y = \frac{7}{6}x - 8$$



(-6, -15)

$$7) y = \frac{1}{10}x - 13$$

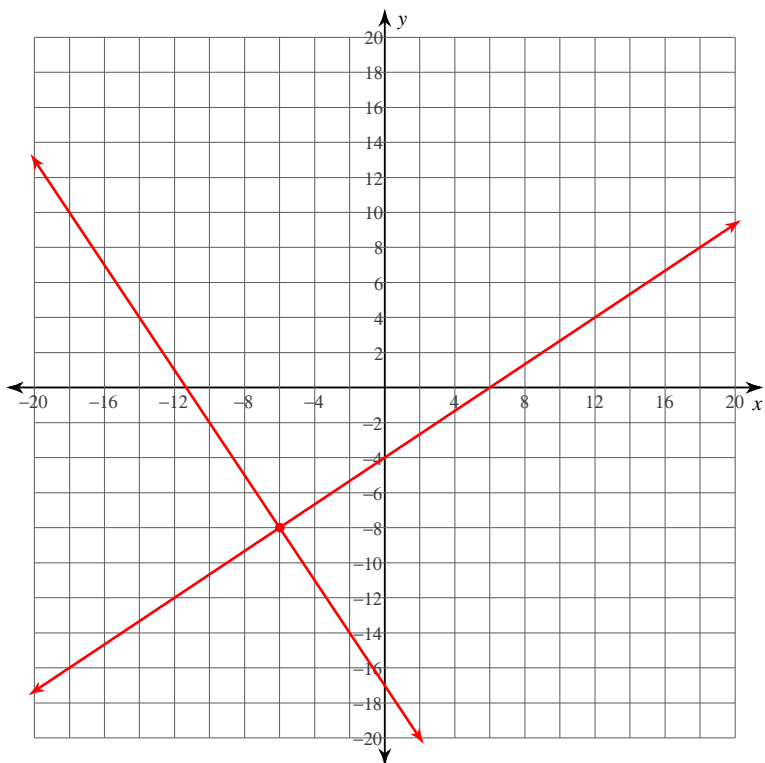
$$y = -\frac{13}{10}x + 1$$



(10, -12)

$$8) y = -\frac{3}{2}x - 17$$

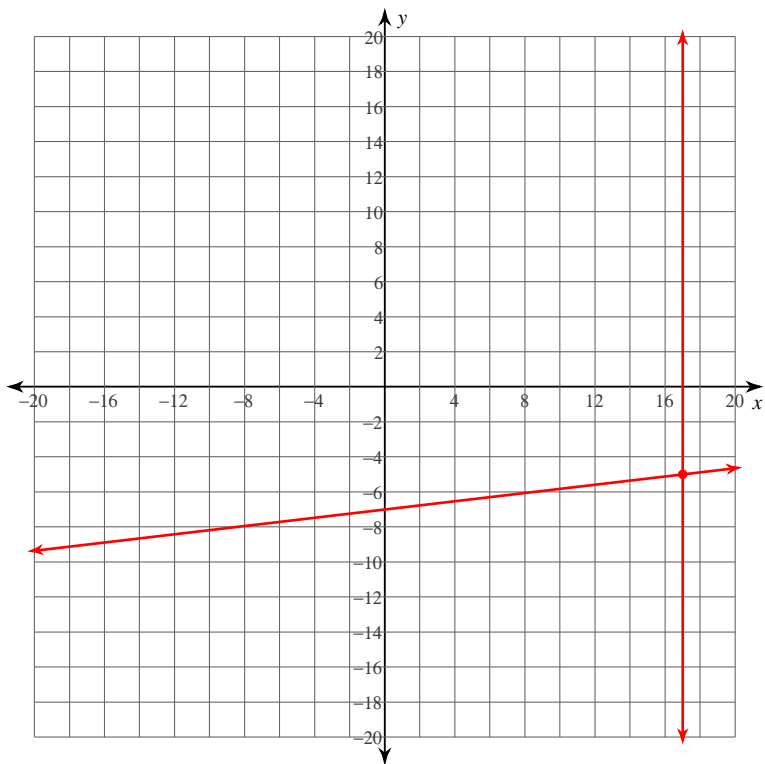
$$y = \frac{2}{3}x - 4$$



$(-6, -8)$

$$9) y = \frac{2}{17}x - 7$$

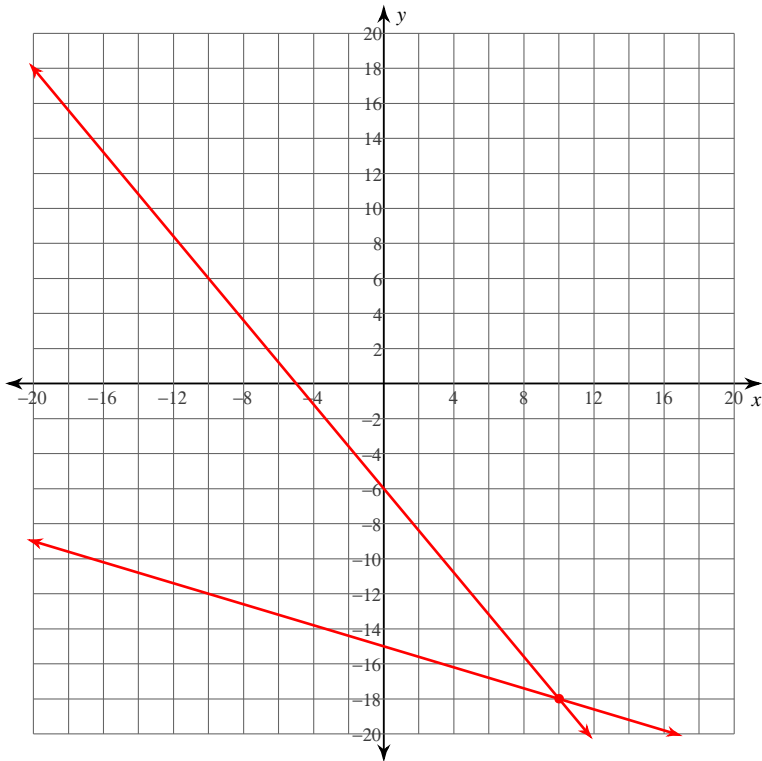
$$x = 17$$



$(17, -5)$

$$10) y = -\frac{6}{5}x - 6$$

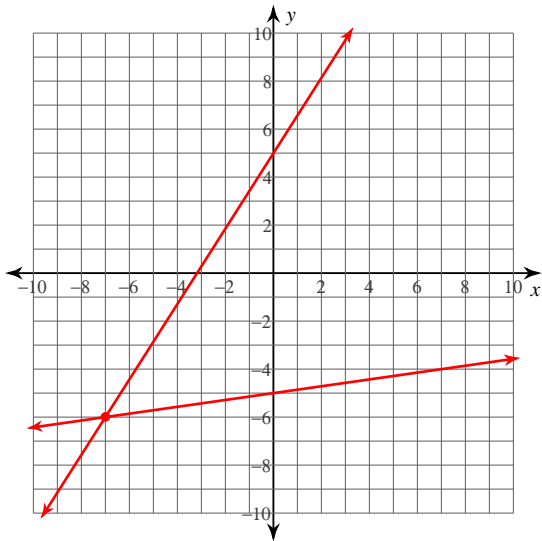
$$y = -\frac{3}{10}x - 15$$



$(10, -18)$

$$11) 11x - 7y = -35$$

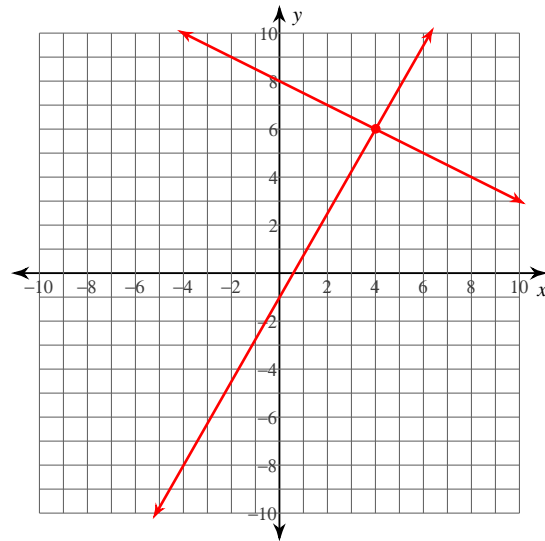
$$x - 7y = 35$$



$(-7, -6)$

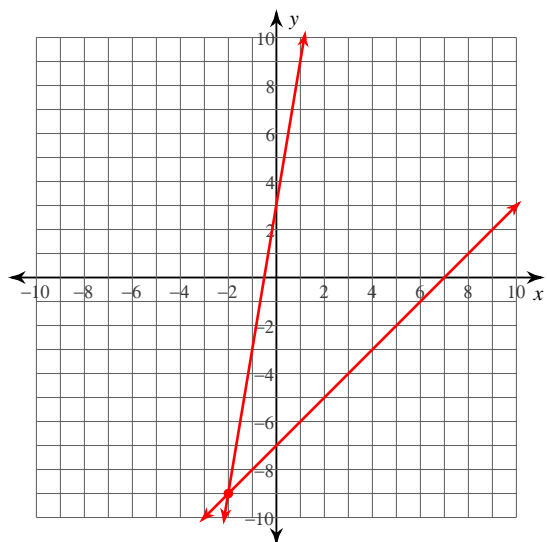
$$12) 7x - 4y = 4$$

$$x + 2y = 16$$



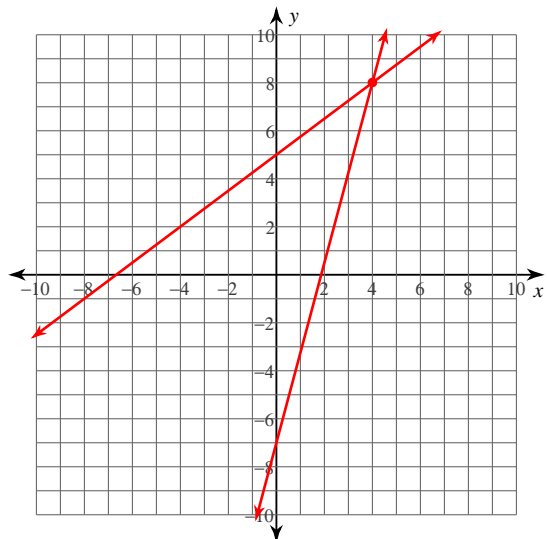
$(4, 6)$

$$13) \begin{cases} x - y = 7 \\ 6x - y = -3 \end{cases}$$



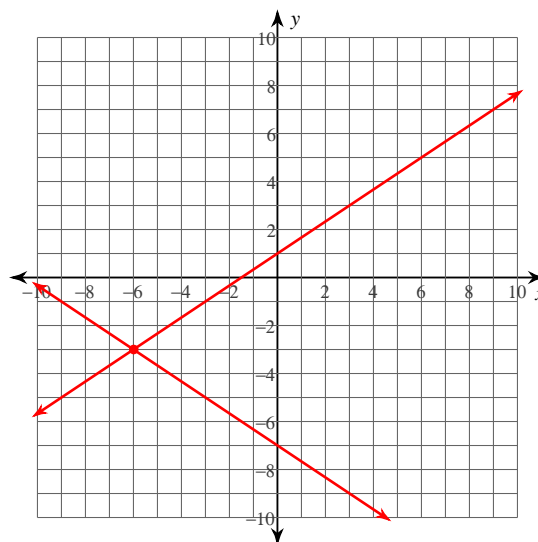
$(-2, -9)$

$$15) \begin{cases} 15x - 4y = 28 \\ 3x - 4y = -20 \end{cases}$$



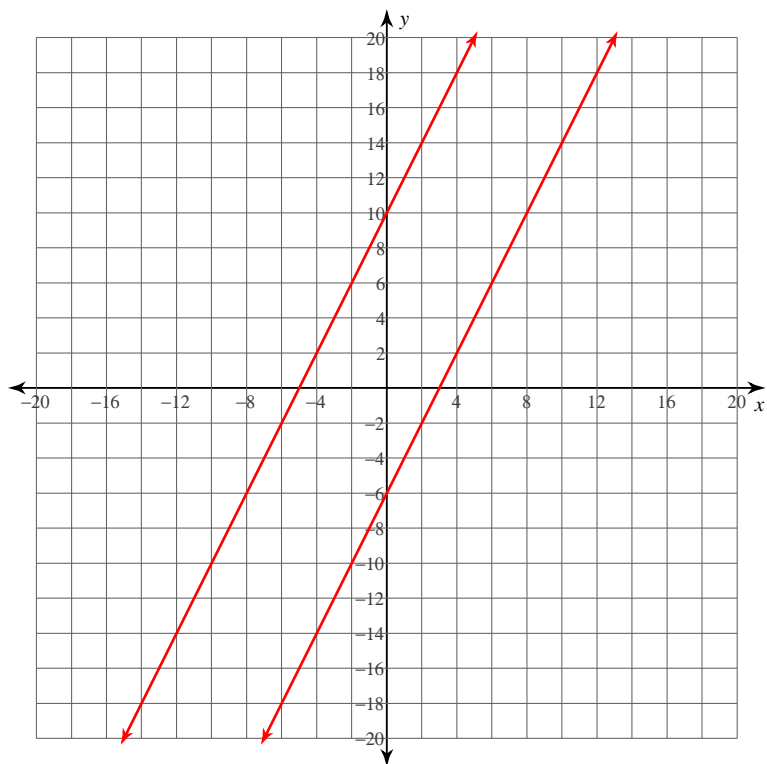
$(4, 8)$

$$14) \begin{cases} 2x - 3y = -3 \\ 2x + 3y = -21 \end{cases}$$



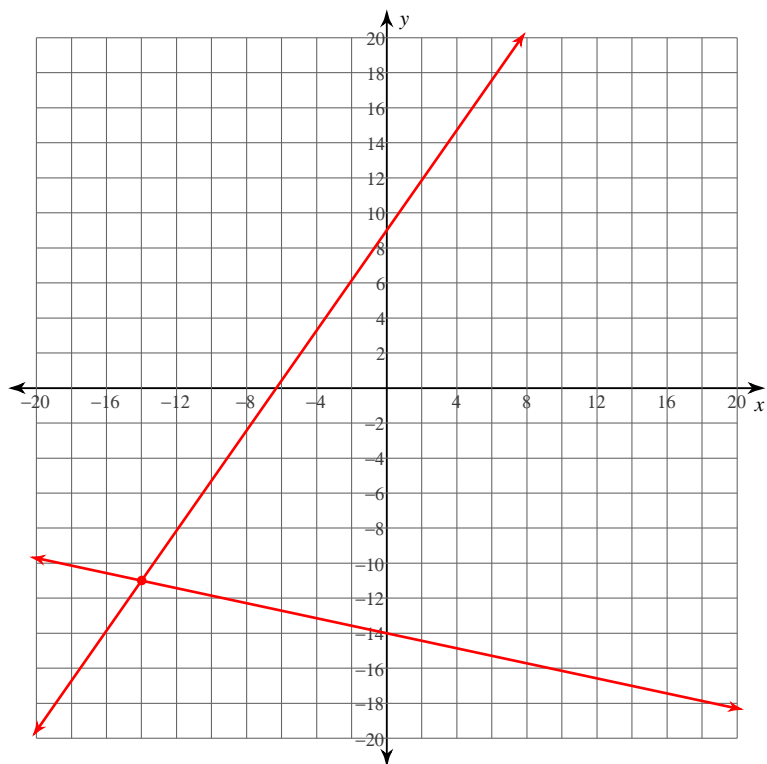
$(-6, -3)$

16) $2x - y = -10$
 $2x - y = 6$



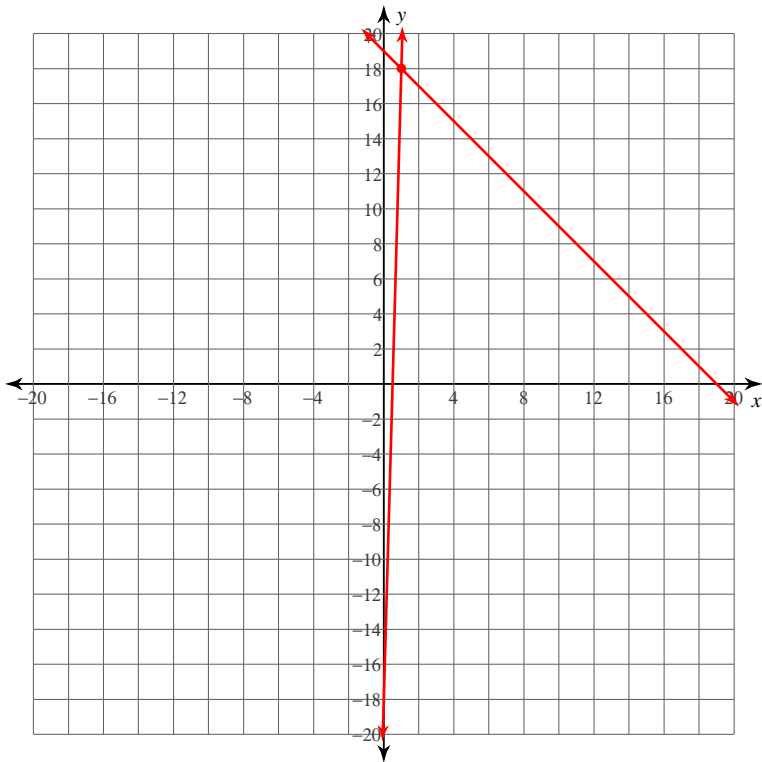
No solution

17) $10x - 7y = -63$
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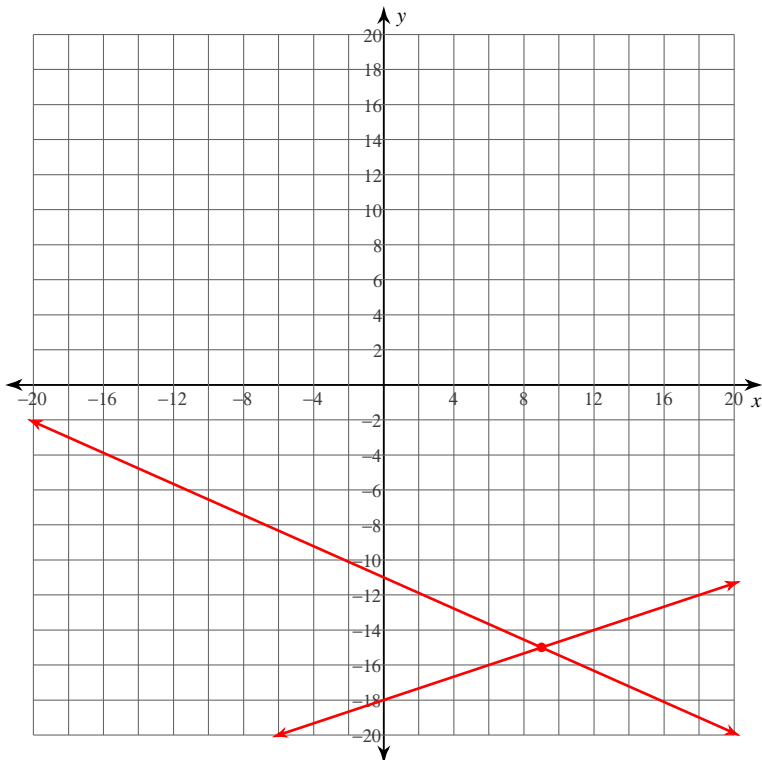
$(-14, -11)$

18) $36x - y = 18$
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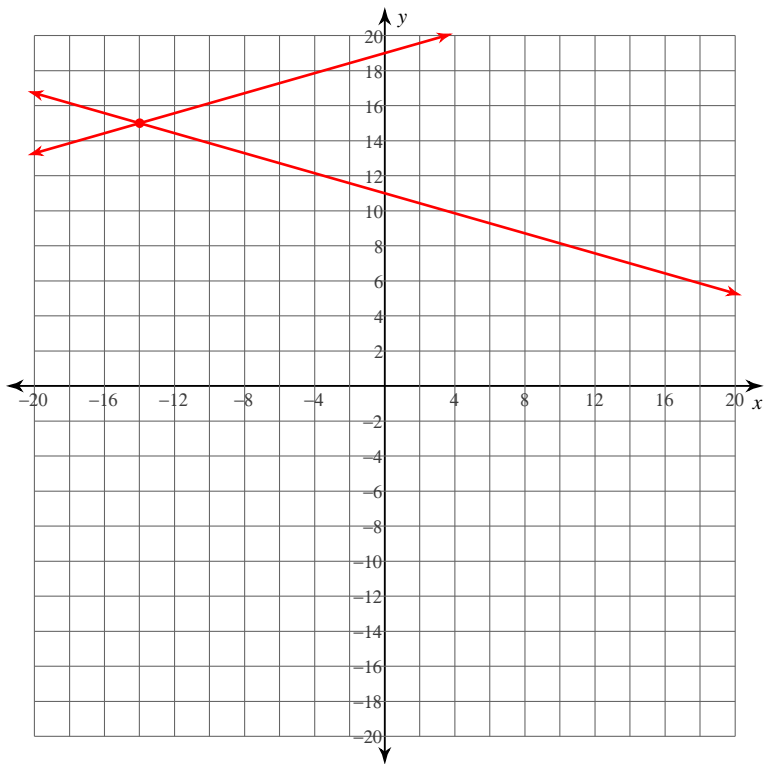
(1, 18)

19) $4x + 9y = -99$
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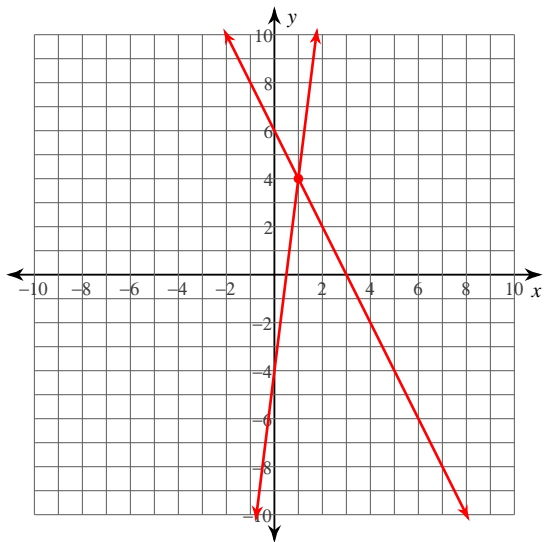
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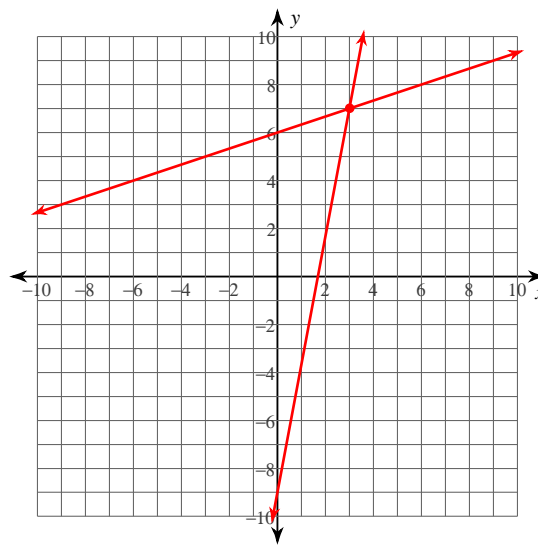
$(-14, 15)$

$$21) \begin{cases} -1 - \frac{1}{4}y = -2x \\ y + 2x = 6 \end{cases}$$



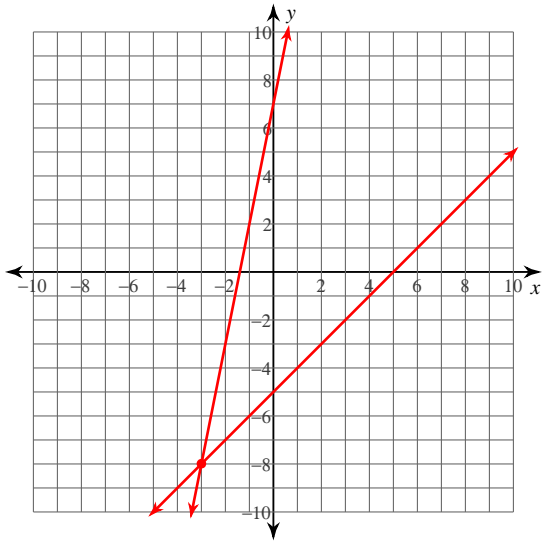
$(1, 4)$

$$22) \begin{cases} -x = -3y + 18 \\ -9y = 81 - 48x \end{cases}$$



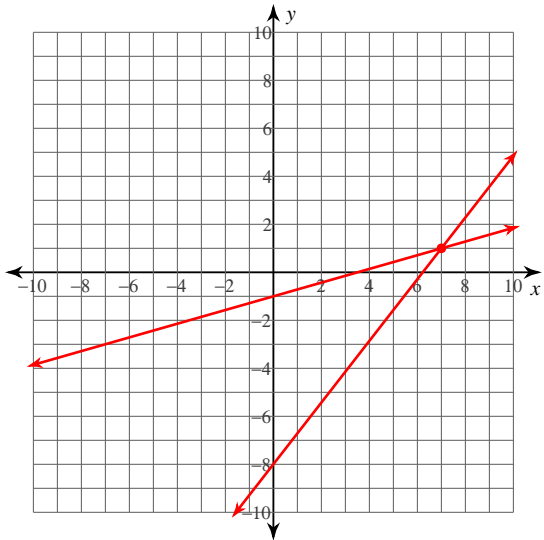
$(3, 7)$

$$23) \begin{aligned} 5 - x &= -y \\ x - \frac{1}{5}y + \frac{7}{5} &= 0 \end{aligned}$$



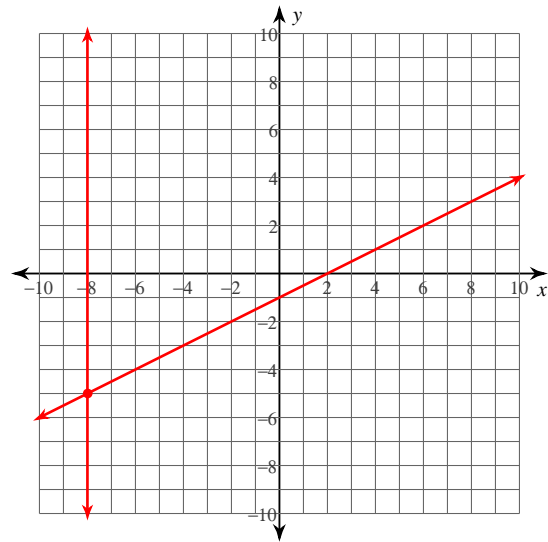
$(-3, -8)$

$$25) \begin{aligned} -\frac{7}{2}y &= -x + \frac{7}{2} \\ 7y - 9x &= -56 \end{aligned}$$



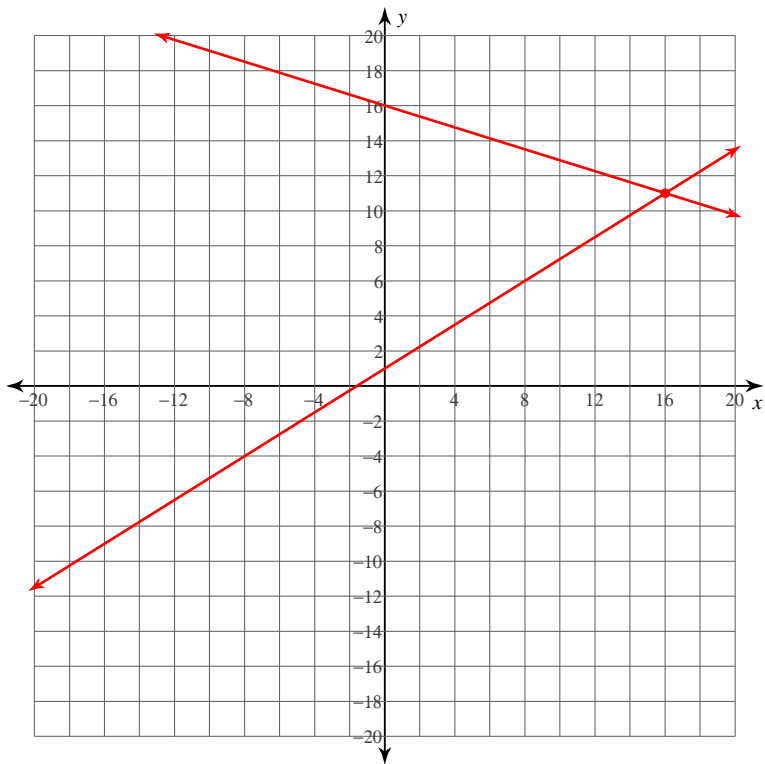
$(7, 1)$

$$24) \begin{aligned} -2 &= -x + 2y \\ -x &= 8 \end{aligned}$$



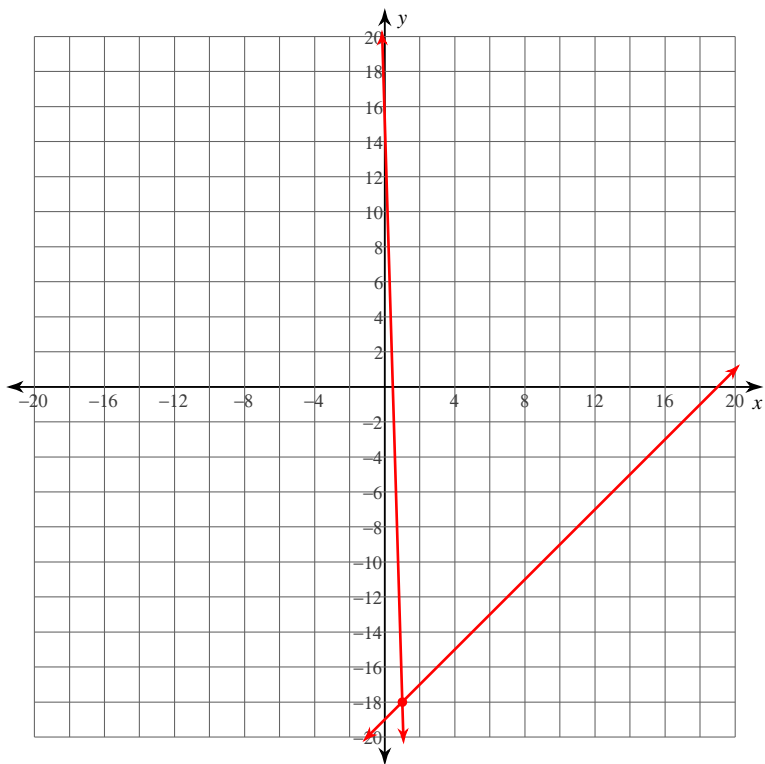
$(-8, -5)$

26) $8 = 8y - 5x$
 $-5x - 16y = -256$



(16, 11)

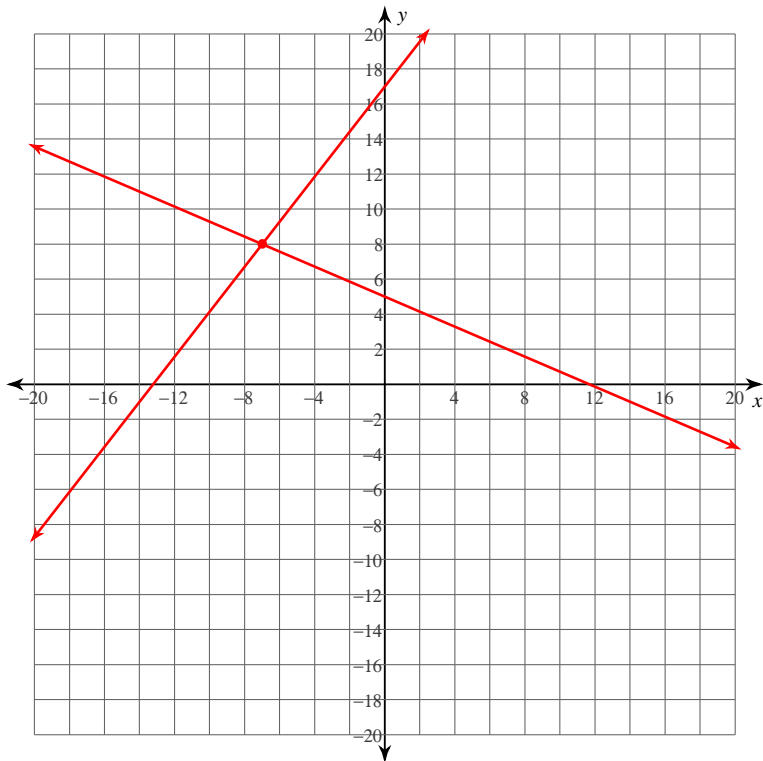
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(1, -18)

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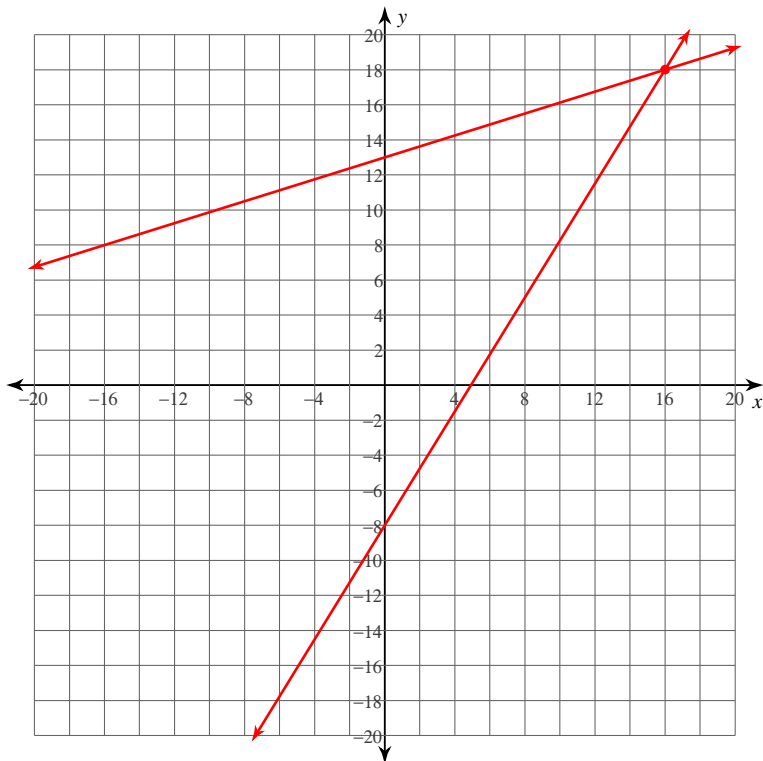
$$21y = 105 - 9x$$



$(-7, 8)$

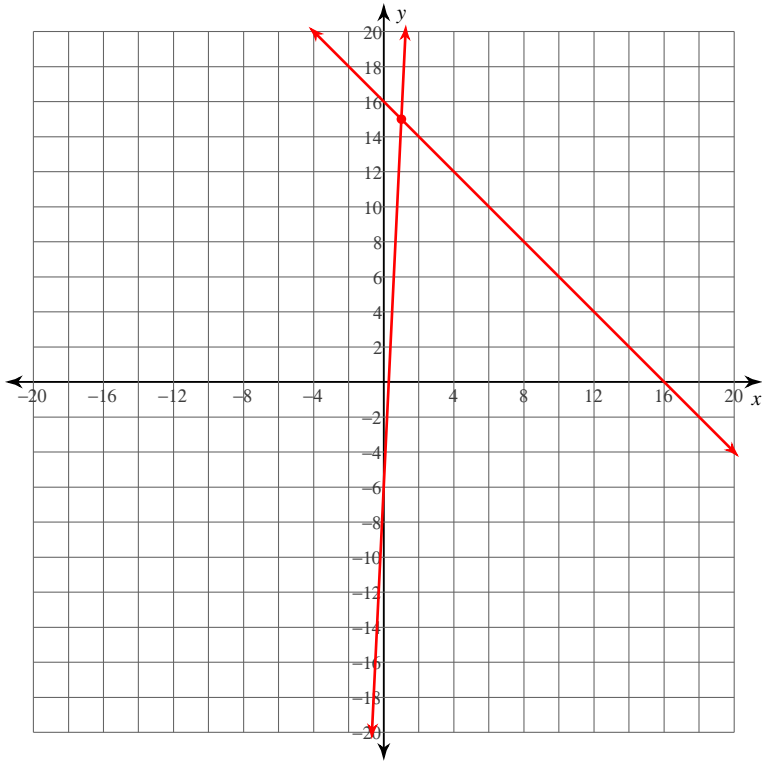
$$29) 5x - 16y + 208 = 0$$

$$64 - 13x = -8y$$



$(16, 18)$

$$30) \begin{aligned} -16 &= -x - y \\ 6 &= -y + 21x \end{aligned}$$



(1, 15)