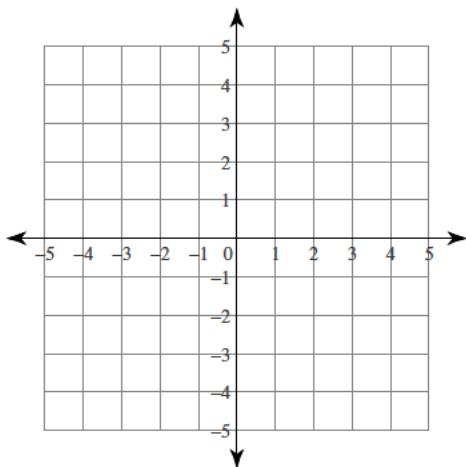


Graphing systems of linear equations - standard

Draw a graph of each equation to find both coordinates of the solution to each system.

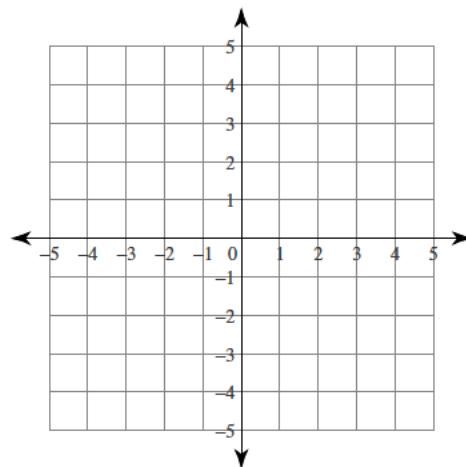
1) $4x + 3y = 9$

$x = 3$



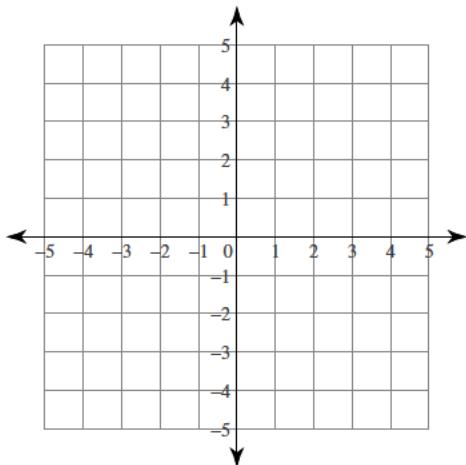
2) $x + 2y = 2$

$x - 2y = -6$



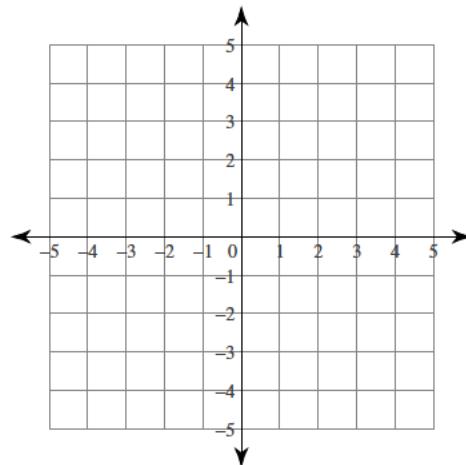
3) $x - y = 3$

$y = -4$

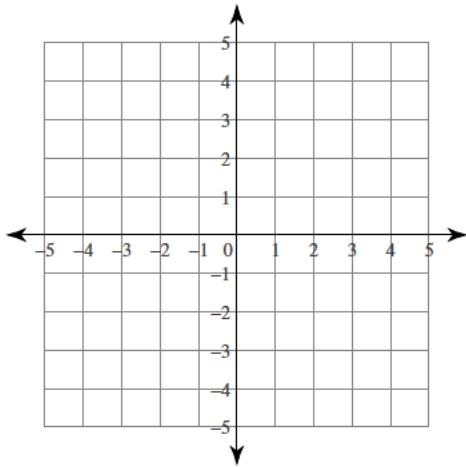


4) $x + y = -1$

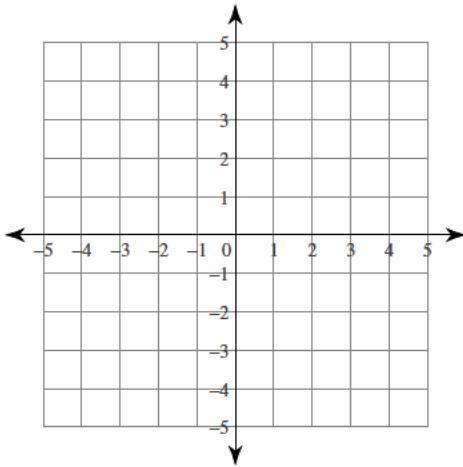
$2x - 3y = -12$



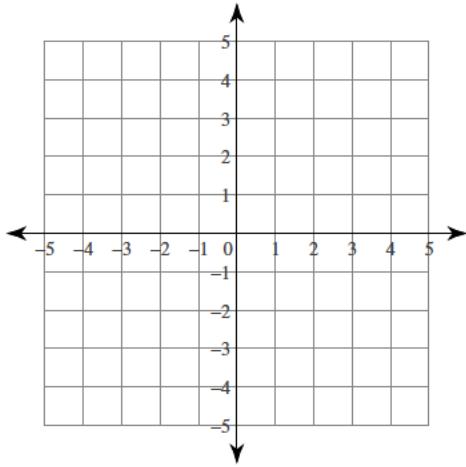
$$5) \begin{aligned} 3x + 2y &= -6 \\ x - 4y &= -16 \end{aligned}$$



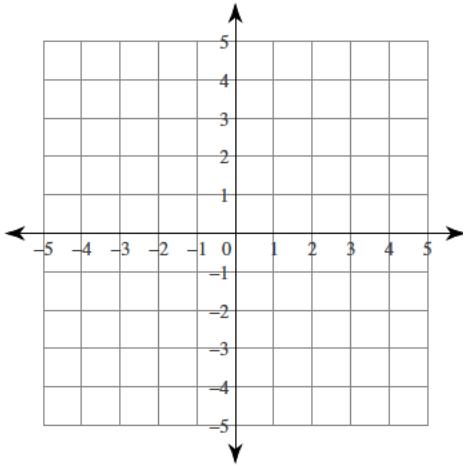
$$6) \begin{aligned} x - 2y &= 4 \\ 2x - y &= -1 \end{aligned}$$



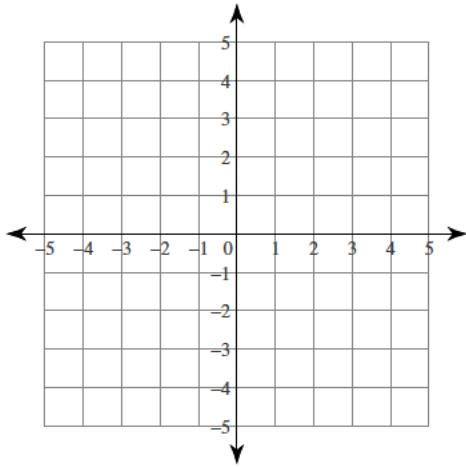
$$7) \begin{aligned} x - 4y &= -12 \\ 7x - 4y &= 12 \end{aligned}$$



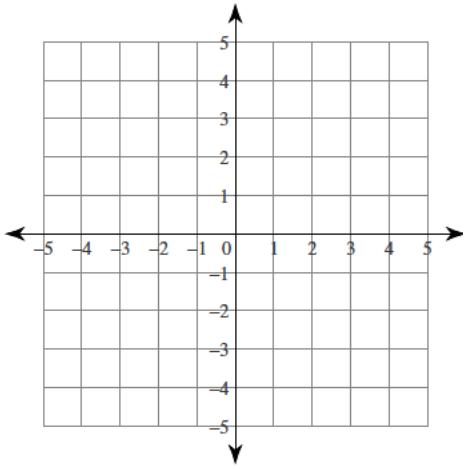
$$8) \begin{aligned} x + 3y &= 3 \\ 4x + 3y &= -6 \end{aligned}$$



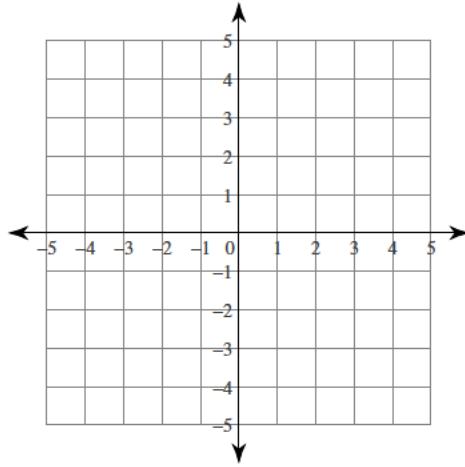
$$9) \begin{aligned} x &= -3 \\ x + 3y &= -9 \end{aligned}$$



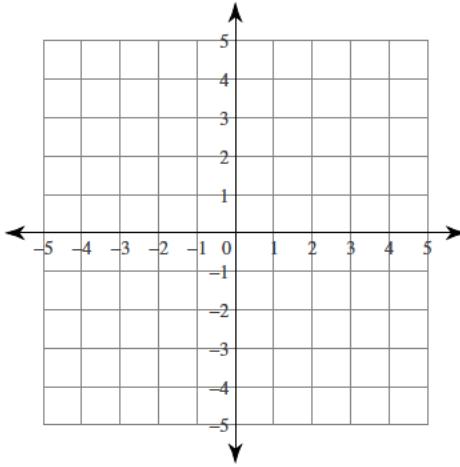
$$10) \begin{aligned} y &= 1 \\ x + y &= 2 \end{aligned}$$



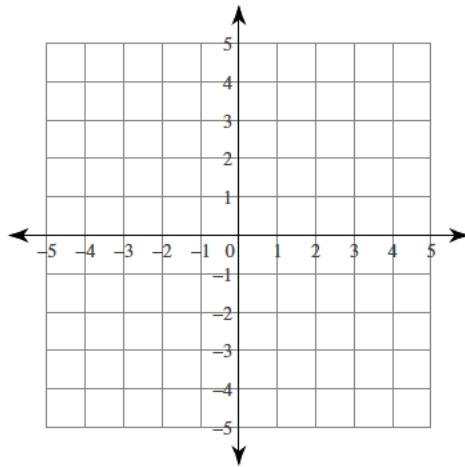
$$\begin{aligned}11) \quad & 4x - 3y = -9 \\& 2x + 3y = -9\end{aligned}$$



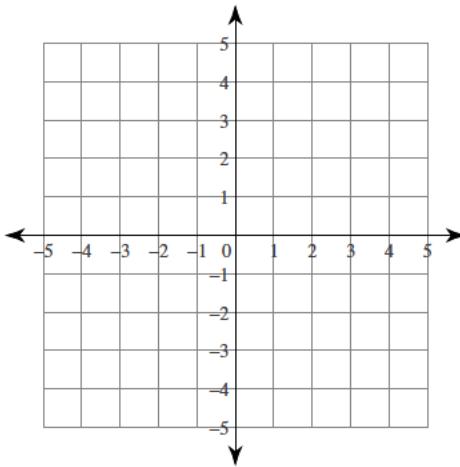
$$\begin{aligned}12) \quad & y = 4 \\& 2x - y = 2\end{aligned}$$



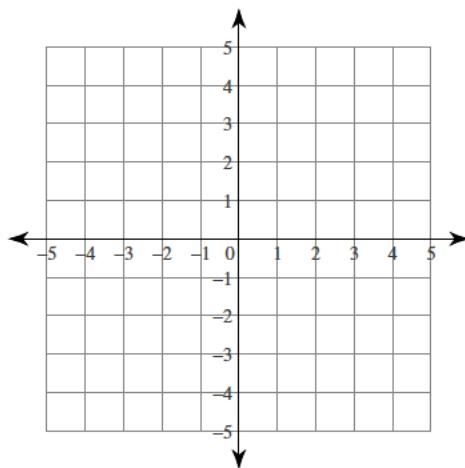
$$\begin{aligned}13) \quad & 3x - 2y = 8 \\& x + 4y = 12\end{aligned}$$



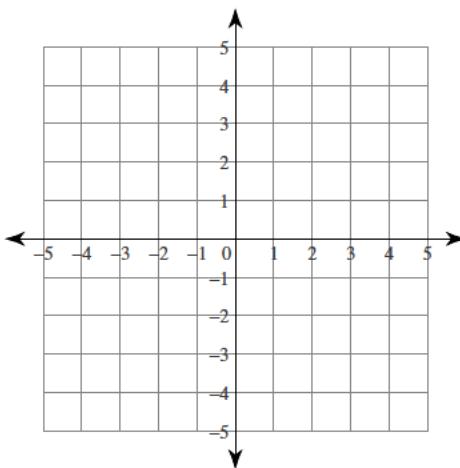
$$\begin{aligned}14) \quad & 8x + 3y = 12 \\& y = -4\end{aligned}$$



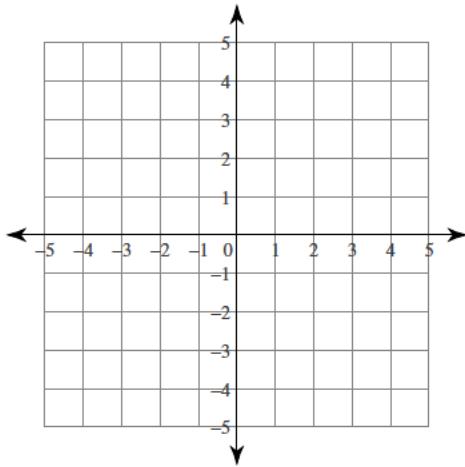
$$\begin{aligned}15) \quad & 5x + y = -2 \\& x - y = -4\end{aligned}$$



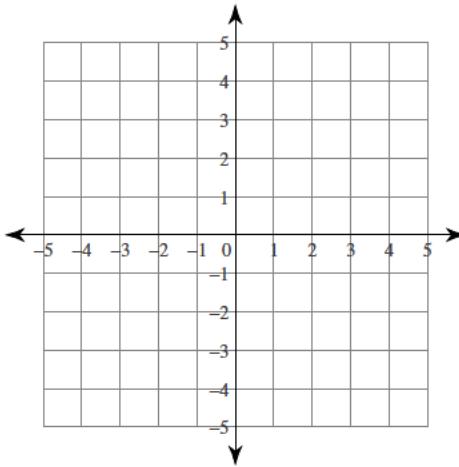
$$\begin{aligned}16) \quad & 7x + y = -3 \\& y = 4\end{aligned}$$



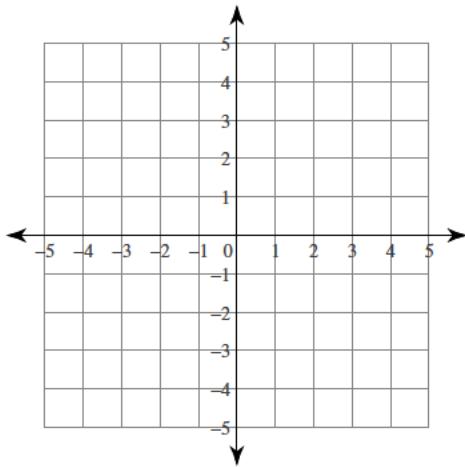
$$17) \begin{aligned}x - 2y &= 8 \\2x + y &= 1\end{aligned}$$



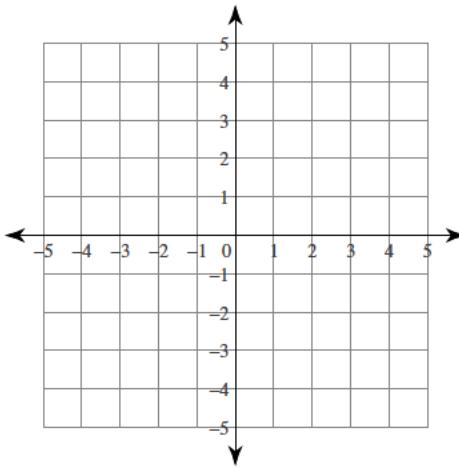
$$18) \begin{aligned}x - 3y &= -9 \\5x - 3y &= 3\end{aligned}$$



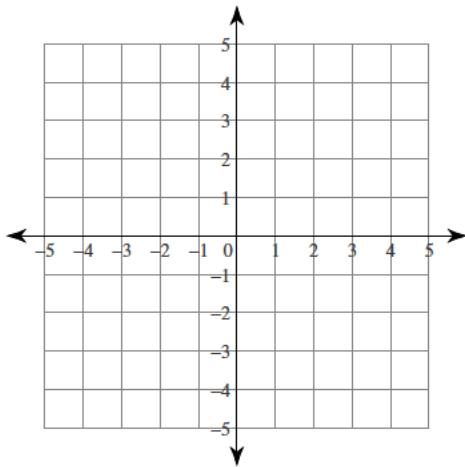
$$19) \begin{aligned}x - y &= 2 \\2x + 3y &= 9\end{aligned}$$



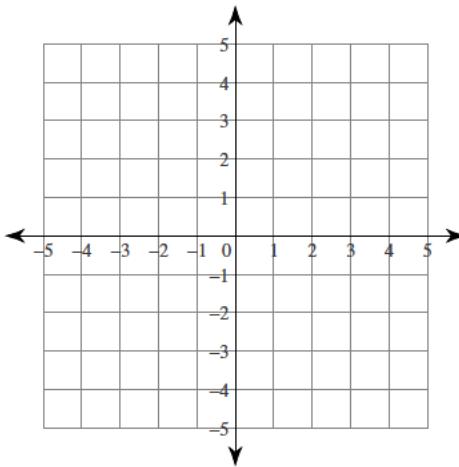
$$20) \begin{aligned}6x + y &= 4 \\x - y &= 3\end{aligned}$$



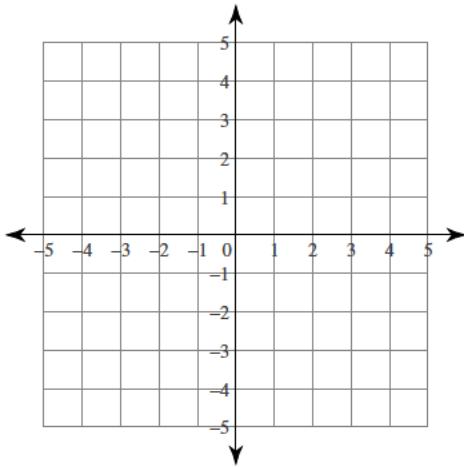
$$21) \begin{aligned}3x + 2y &= 4 \\x + 4y &= -12\end{aligned}$$



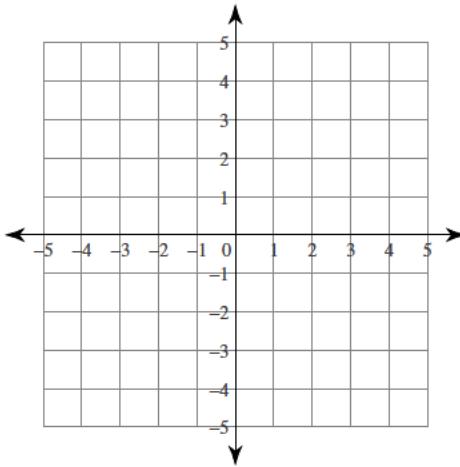
$$22) \begin{aligned}x + 2y &= 6 \\3x + y &= -2\end{aligned}$$



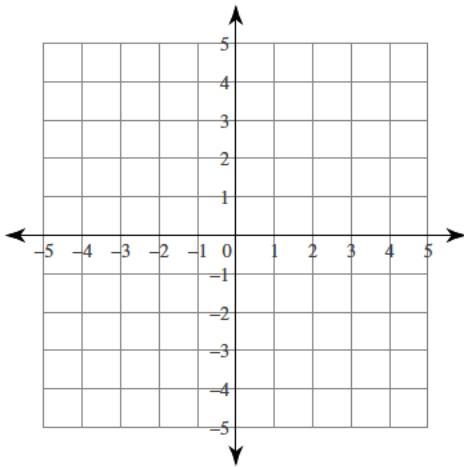
$$23) \begin{aligned} 2x - y &= 4 \\ 2x + 3y &= 12 \end{aligned}$$



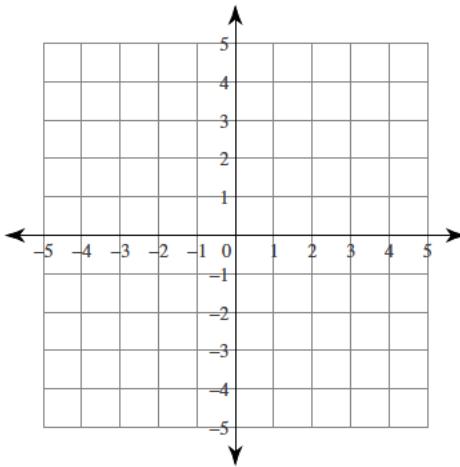
$$24) \begin{aligned} x - y &= 3 \\ 2x + y &= 3 \end{aligned}$$



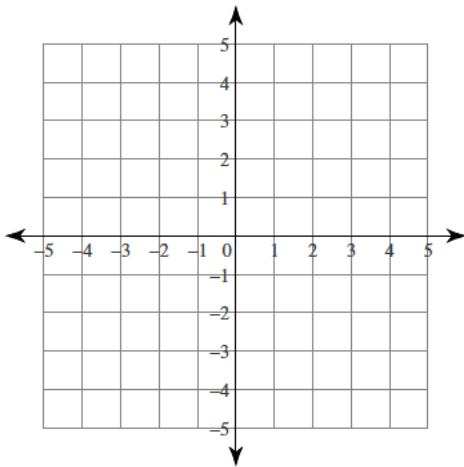
$$25) \begin{aligned} x + y &= -2 \\ 2x - y &= -1 \end{aligned}$$



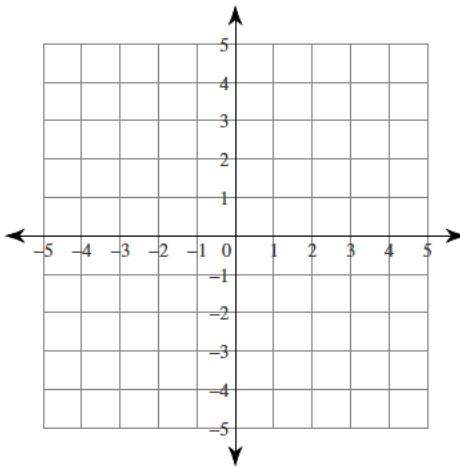
$$26) \begin{aligned} 3x + y &= 2 \\ x - y &= 2 \end{aligned}$$



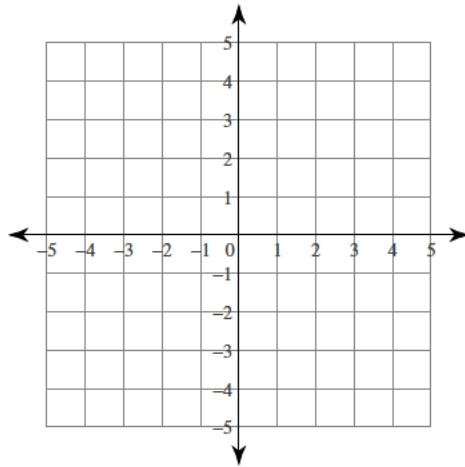
$$27) \begin{aligned} 2x - y &= 1 \\ x + 2y &= 8 \end{aligned}$$



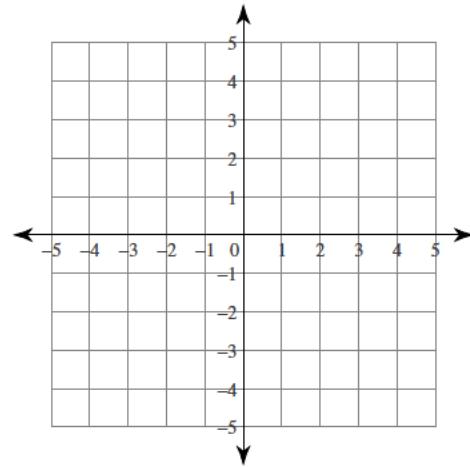
$$28) \begin{aligned} x - 2y &= 2 \\ x + 4y &= -16 \end{aligned}$$



$$29) \begin{aligned} x - 3y &= 9 \\ 8x - 3y &= -12 \end{aligned}$$



$$30) \begin{aligned} 5x - y &= 1 \\ x - y &= -3 \end{aligned}$$



Answers to Graphing systems of linear equations - standard

- | | | | |
|--------------|-------------|--------------|--------------|
| 1) (3, -1) | 2) (-2, 2) | 3) (-1, -4) | 4) (-3, 2) |
| 5) (-4, 3) | 6) (-2, -3) | 7) (4, 4) | 8) (-3, 2) |
| 9) (-3, -2) | 10) (1, 1) | 11) (-3, -1) | 12) (3, 4) |
| 13) (4, 2) | 14) (3, -4) | 15) (-1, 3) | 16) (-1, 4) |
| 17) (2, -3) | 18) (3, 4) | 19) (3, 1) | 20) (1, -2) |
| 21) (4, -4) | 22) (-2, 4) | 23) (3, 2) | 24) (2, -1) |
| 25) (-1, -1) | 26) (1, -1) | 27) (2, 3) | 28) (-4, -3) |
| 29) (-3, -4) | 30) (1, 4) | | |