College Math Name_____

# Graphing Practice Quiz #1

Date_____

**Write the SLOPE-INTERCEPT FORM of the equation of the line through the given point with the given slope.**

1) through: $(-2, 4)$, slope = $-1$

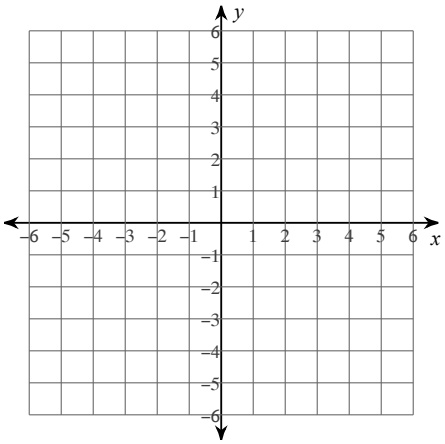
2) through: $(1, -2)$, slope = 2

3) through: $(1, 5)$, slope = 7

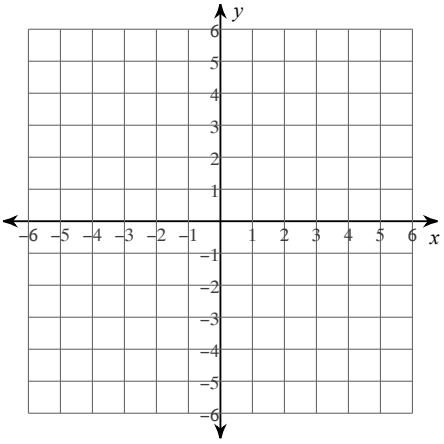
4) through: $(1, -2)$, slope = $-4$

**Sketch the graph of each line.**

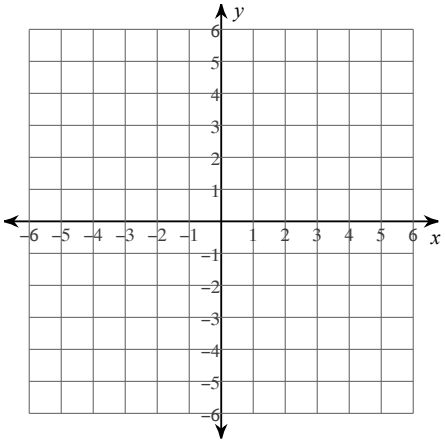
5) $y = \frac{3}{2}x - 3$



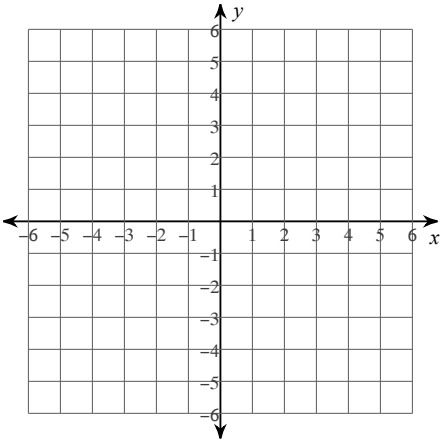

6) $y = -4x + 1$



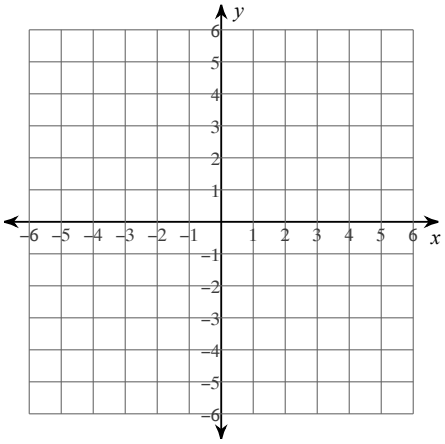

7) $y = -\frac{2}{5}x - 1$



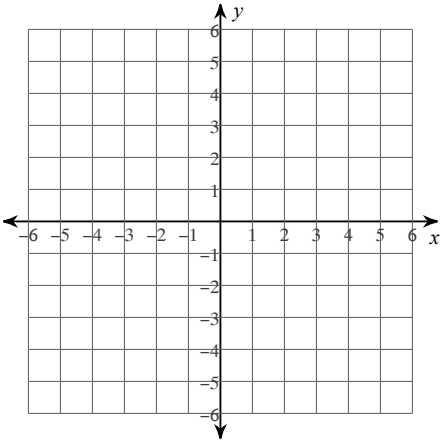

8) $y = \frac{4}{5}x - 1$



9) $y = 2x + 1$

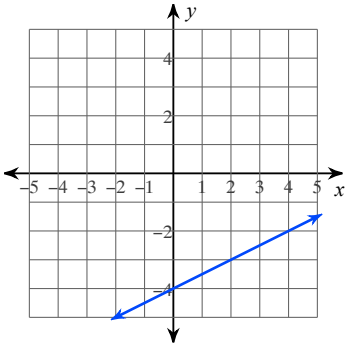


10) $y = \frac{3}{5}x - 3$



**Write the SLOPE-INTERCEPT FORM of the equation of each line.**

11)



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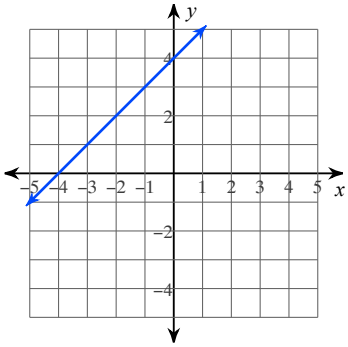
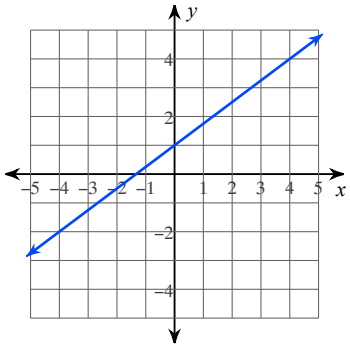


13)



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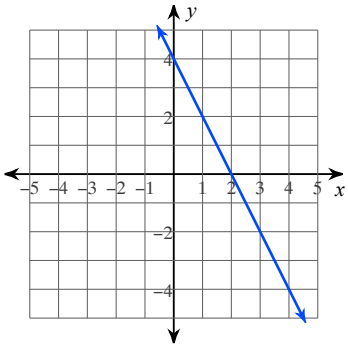

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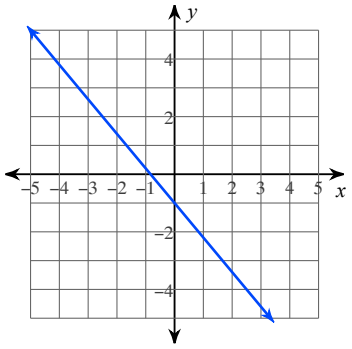


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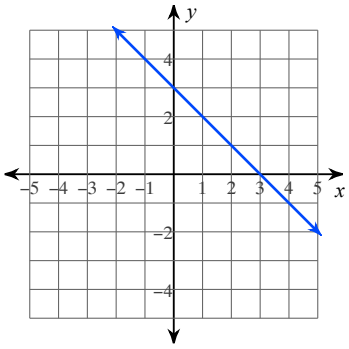



**Write the STANDARD FORM of the equation of the line through the given point with the given slope.**

17) through: $(-3, 4)$, slope = $-\frac{2}{3}$

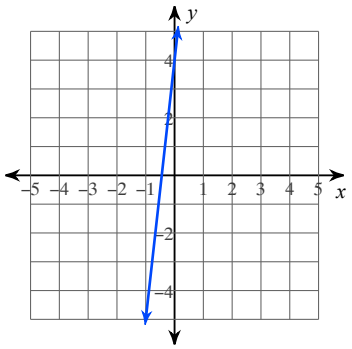
18) through: $(2, 0)$, slope = $-\frac{3}{2}$

19) through: $(-2, 5)$, slope = $-1$

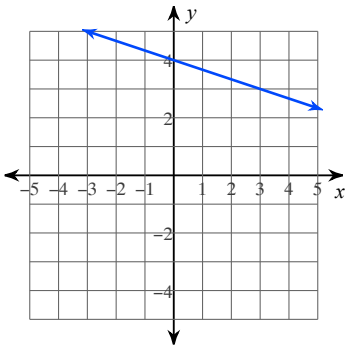
20) through: $(-3, -1)$, slope = $2$

**Write the STANDARD FORM of the equation of each line.**

21)




22)



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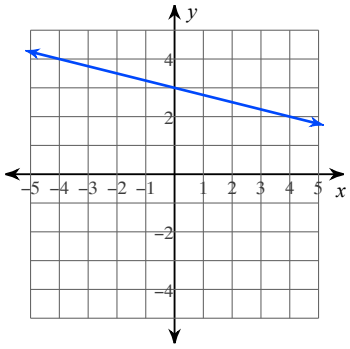
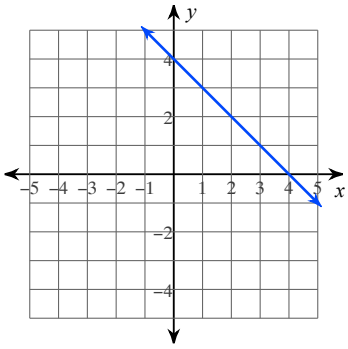



24)

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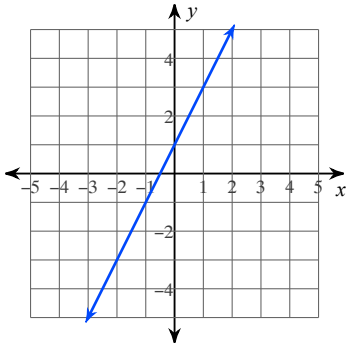
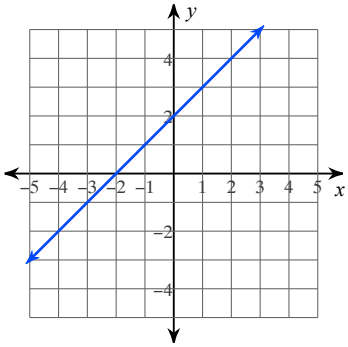
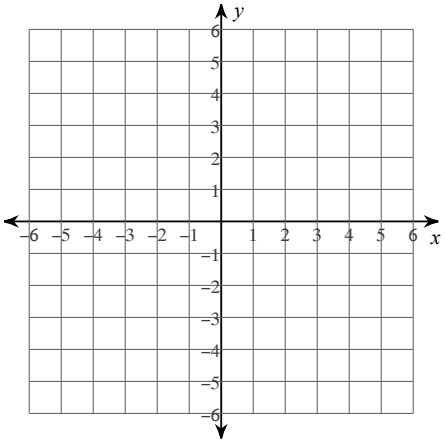



26)

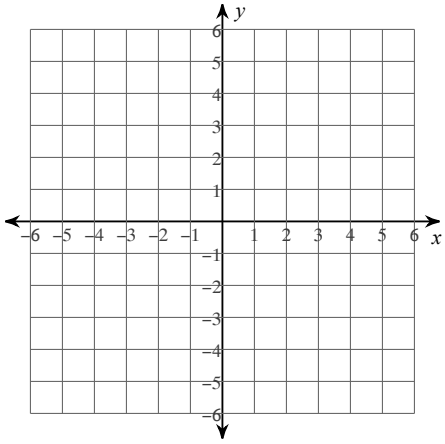



**Sketch the graph of each line.**

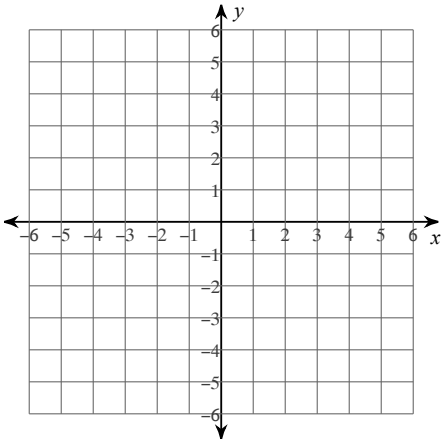
27) $x - 3y = 12$



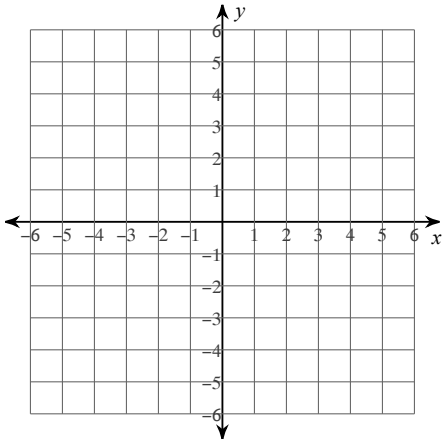

28) $7x + 2y = 8$



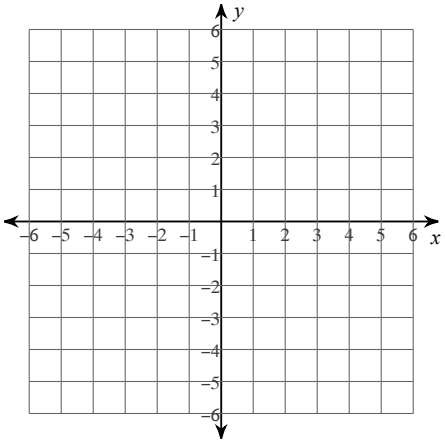
29) $4x + 5y = -5$



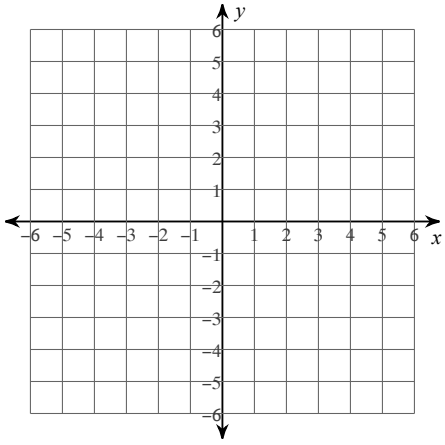
30) $2x - y = -2$



31) $5x + 2y = -10$



32) $8x - y = 3$



**Write the POINT-SLOPE FORM of the equation of the line.**

33) through: $(1, 3)$, slope = 3

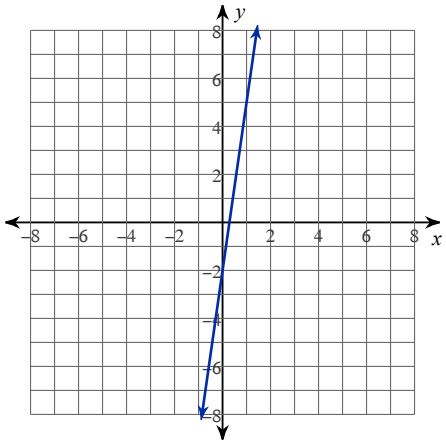
34) through: $(5, -2)$, slope = $-\frac{7}{2}$

35) through: $(-1, 5)$, slope = $-6$

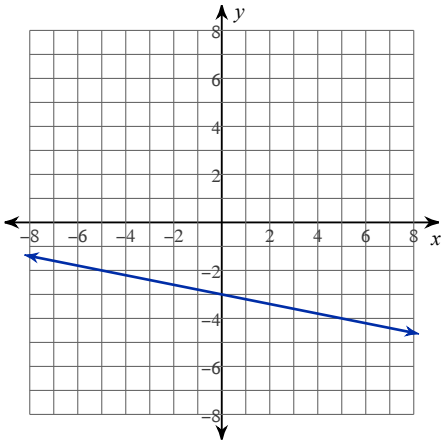
36) through: $(-4, 0)$, slope = $-\frac{1}{2}$

**Write the POINT-SLOPE FORM of the equation of each line.**

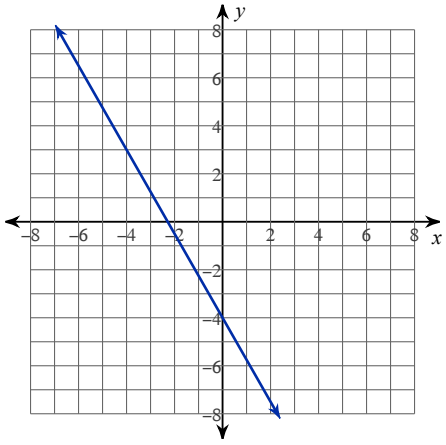
37)



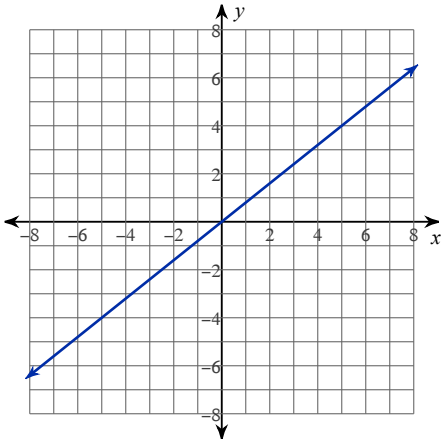
38)



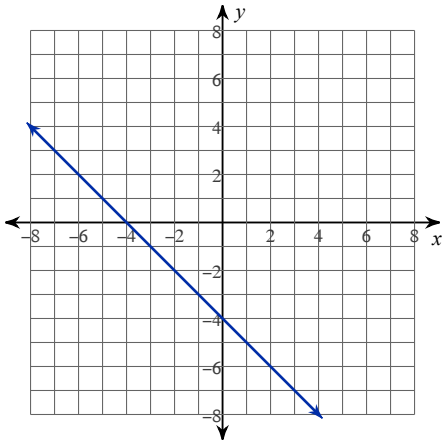
39)



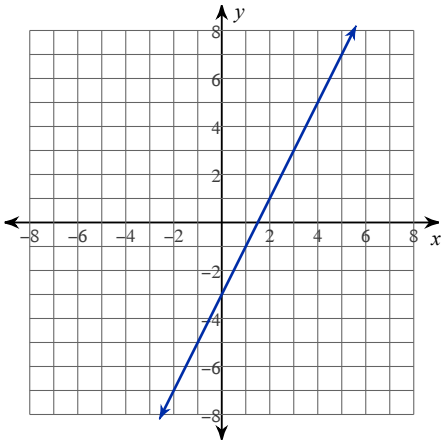
40)



41)

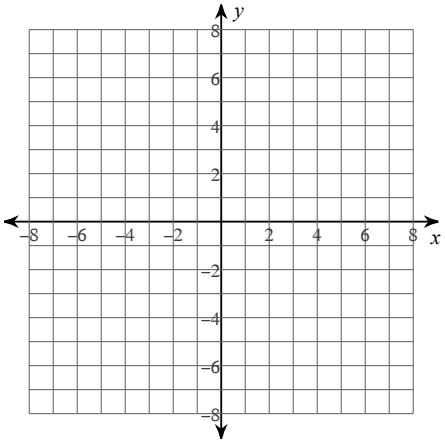


42)

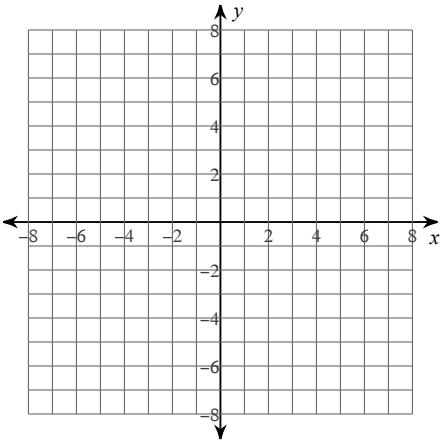


**Sketch the graph of each line.**

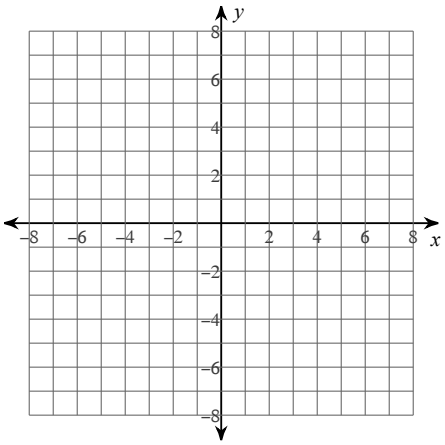
43) $y - 4 = \frac{1}{5}(x + 7)$



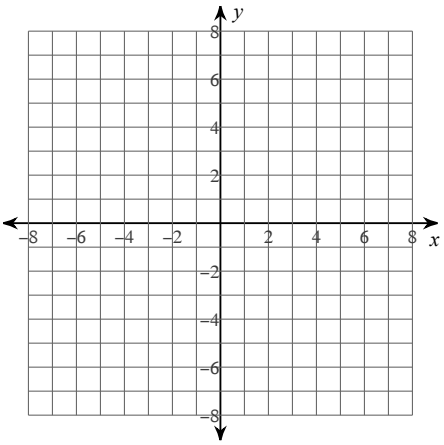

44) $y + 2 = 4(x - 1)$



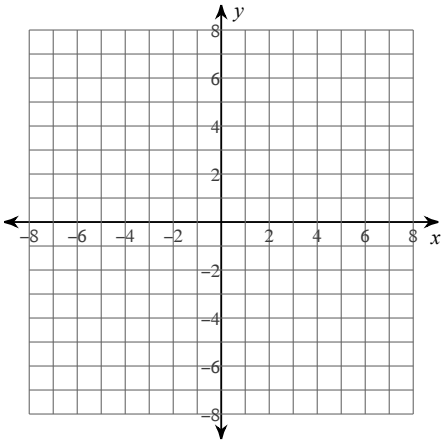

45) $y - 3 = -\frac{2}{5}(x + 5)$




46) $y - 6 = \frac{3}{4}(x - 3)$




47) $y + 6 = \frac{5}{3}(x + 1)$




48) $y + 4 = -3(x - 2)$