

## Critical Review #3

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression.**

1)  $b + 9 + b + 5$

2)  $4m - 4m$

3)  $-v - 4v$

4)  $1 - 3x + x + 6$

5)  $6(a + 10)$

6)  $-5(r + 6)$

7)  $-8(4k - 6)$

8)  $10(4r - 2)$

9)  $9(1 + 4b) - 7$

10)  $-(-9 - 10x) + 9$

11)  $5 - 4(6x - 7)$

12)  $-3(x - 8) - 4x$

**Solve each equation.**

13)  $6(5x - 5) = -120$

14)  $8(-8p - 1) = 504$

15)  $-89 = -3n - 7(3 + 2n)$

16)  $304 = -8(7b + 4)$

17)  $3k + 1 = 3(k + 1)$

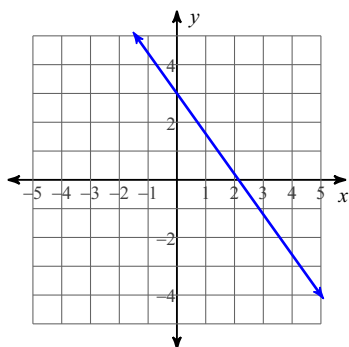
18)  $5 - n = 3(6n + 8)$

19)  $2 - 4b = 2(b - 5)$

20)  $-6n - 4 = 4(-4 - n)$

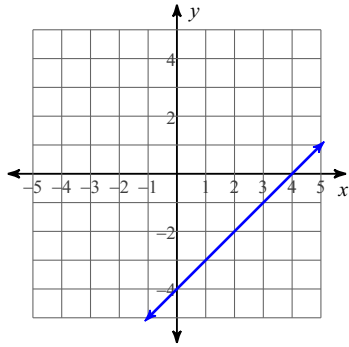
**When  $x=3$ , what is  $y$ ?**

21)



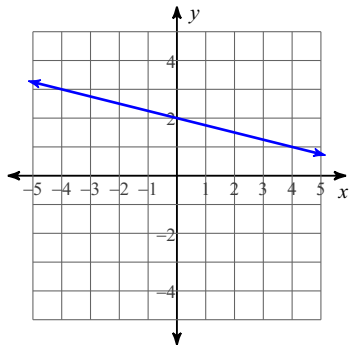
When  $y=1$ , what is  $x$ ?

22)



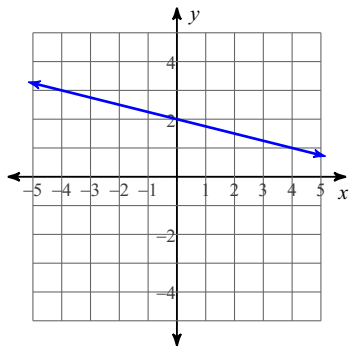
When  $x=2$ , what is  $y$ ?

23)



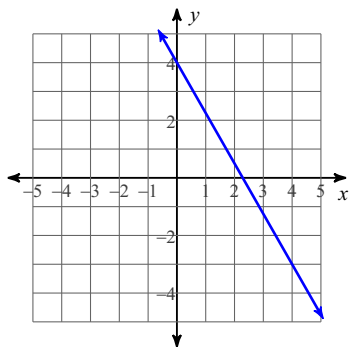
When  $y=2$ , what is  $x$ ?

24)



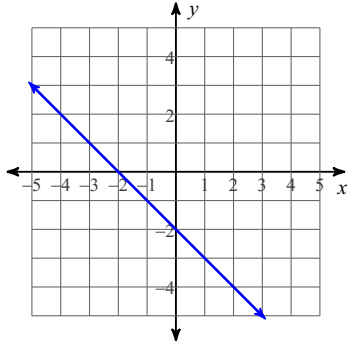
When  $x=4$ , what is  $y$ ?

25)



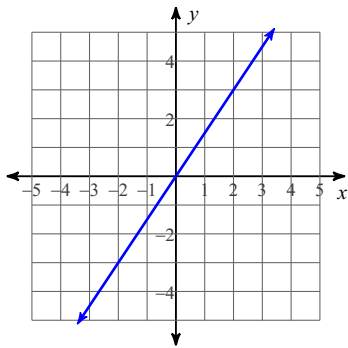
When  $y=1$ , what is  $x$ ?

26)



When  $x=4$ , what is  $y$ ?

27)



When  $y=5$ , what is  $x$ ?

28)

