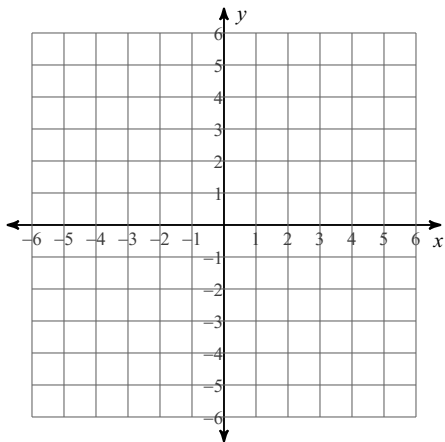


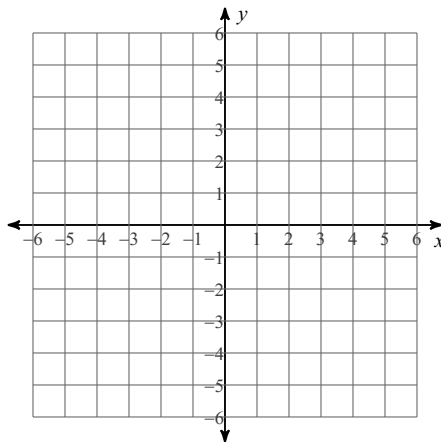
WINTER BREAK ASSIGNMENT

Sketch the graph of each line.

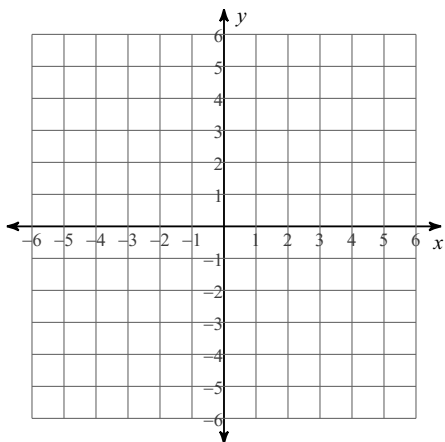
1) $7x - 5y = 20$



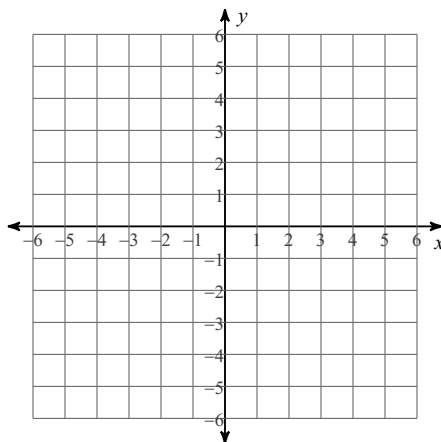
2) $x + 2y = -2$



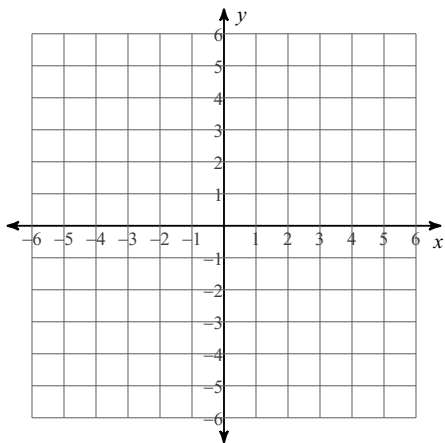
3) $x + 3y = -9$



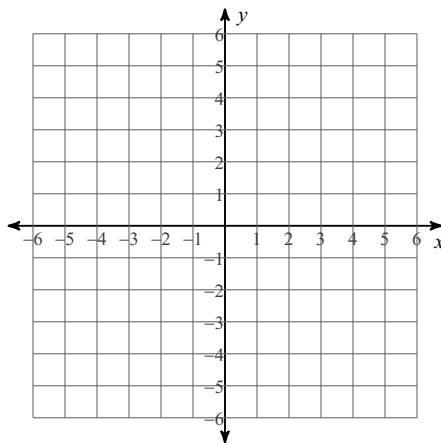
4) $x + y = -2$



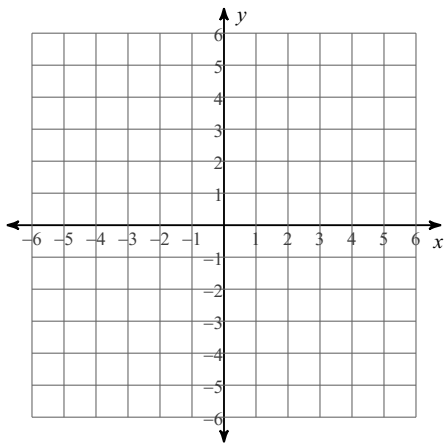
5) $y = x - 3$



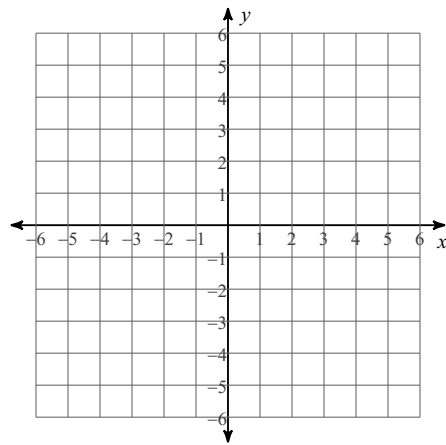
6) $y = -x + 3$



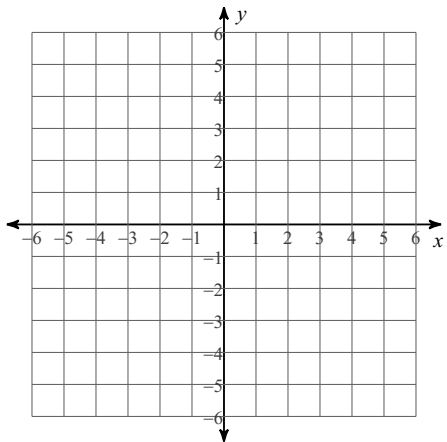
7) $y = 8x - 4$



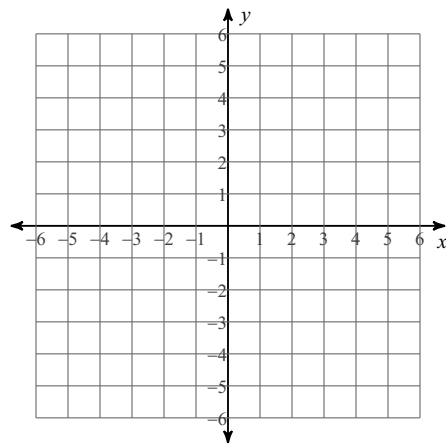
8) $y = -x - 3$



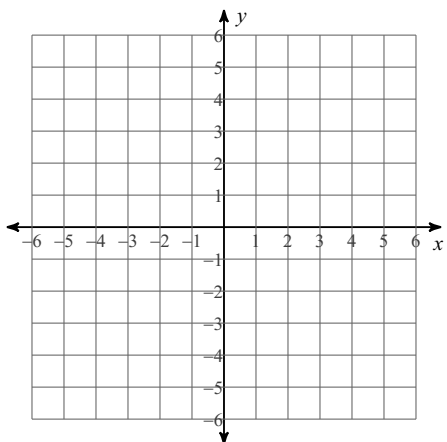
9) $y = \frac{4}{5}x - 3$



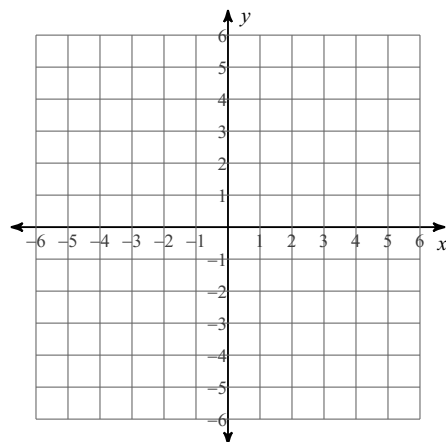
10) $y = 3x + 5$



11) $y = 2x - 2$

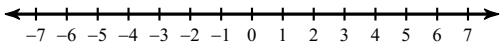


12) $y = -3x - 5$

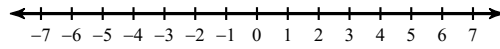


Draw a graph for each inequality.

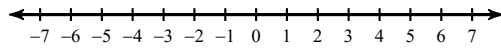
13) $k > -2$



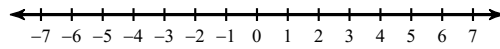
14) $v \geq 3$



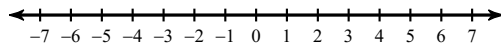
15) $0 > v$



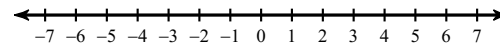
16) $0 < k$



17) $k < -3$



18) $-a > -1$



Solve each equation.

19) $-3p + 7 - 3p = 7$

20) $0 = -7a - 3a$

21) $-8n - 3n = 0$

22) $2r + 1 - 6r = 9$

23) $-6(-3x - 8) = 120$

24) $-7 + 5(1 + 2b) = -82$

25) $81 = 3(7 + 4x)$

26) $8(3b - 8) = -208$

$$27) -16 + 8r = 4 + 7r + 6r$$

$$28) -8r - 10 = r - 1$$

$$29) -2 + 3v + 5 = 9 + 5v$$

$$30) 1 + 5r + 3r = 16 + 5r$$

$$31) -17 + 5p = 4(1 - 4p)$$

$$32) -2(-n + 6) - 7n = -20 + 3n$$

$$33) -5m - 26 = 8(-6 - 2m)$$

$$34) -r - 10 = -4 - 6(8r + 1)$$

$$35) -4v + 4 = -3(1 + v)$$

$$36) -8(6 - 3b) = 32 + 8b$$