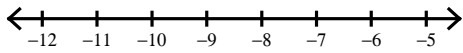


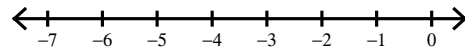
Review Questions - Inequalities

Solve each inequality and graph its solution.

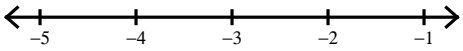
1) $m - 6 + 5 \leq -8$



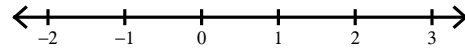
2) $8 + 3x - 5 < -9$



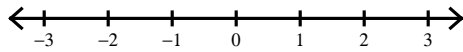
3) $-8x + x < 21$



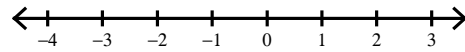
4) $-2m - 8 - 1 \leq -9$



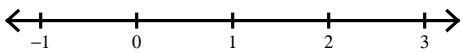
5) $b + b \geq 0$



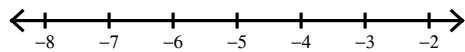
6) $-40 > 8(3 - 8x)$



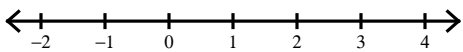
7) $-23 < -6(6x - 2) + 1$



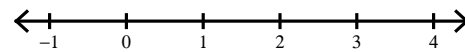
8) $66 \geq -2(-3 + 8x) + 4x$



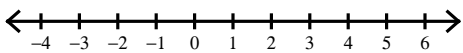
9) $-4(8x + 2) \leq -72$



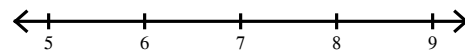
10) $-(3n - 8) \geq 5$



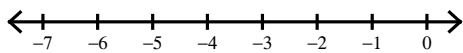
11) $8(m - 3) < -2m - 14$



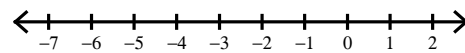
12) $-21 - 6a < -(8a + 7)$



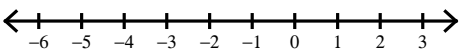
13) $-25 - 3n \leq 5(n + 3)$



14) $39 + 6a > -7a - 8(2a + 6)$

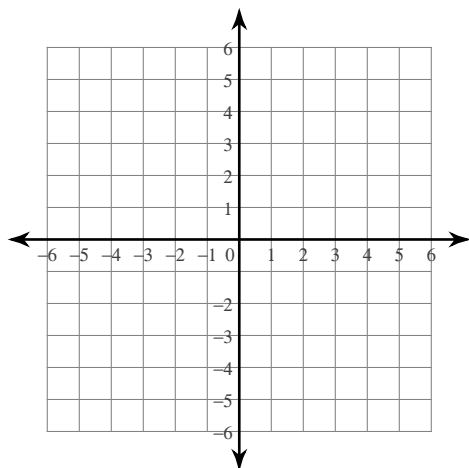


15) $20 + 6x \leq -7(7x + 4) - 7$

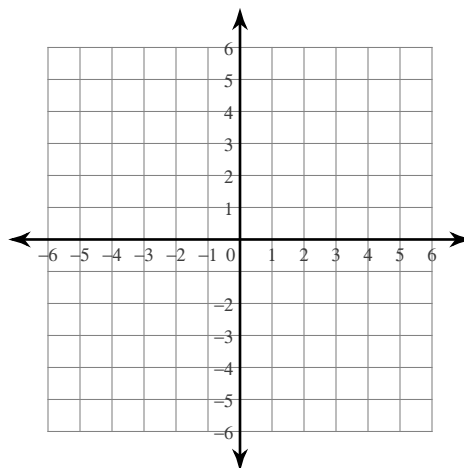


Sketch the graph of each linear inequality.

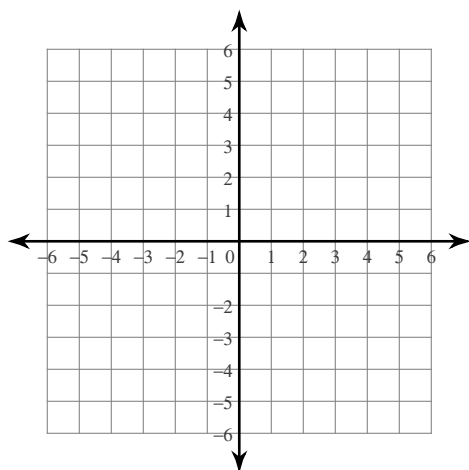
16) $2x - 3y < 6$



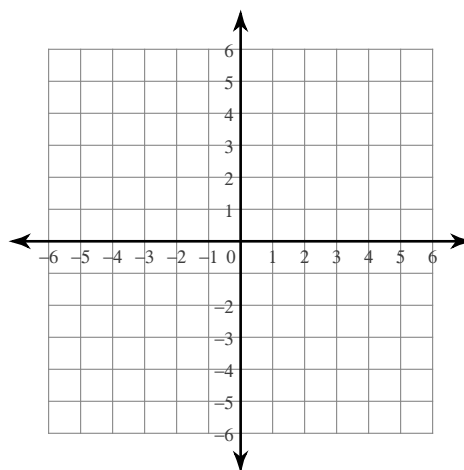
17) $x + y \geq -1$



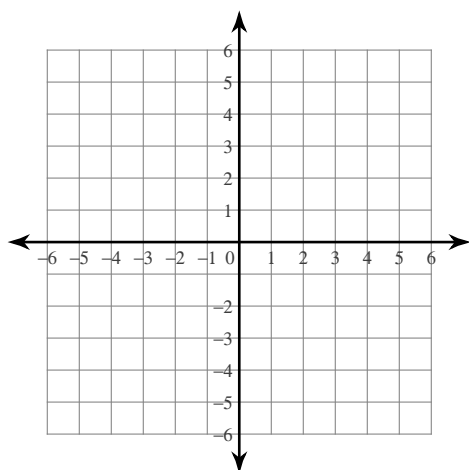
18) $x - y > 1$



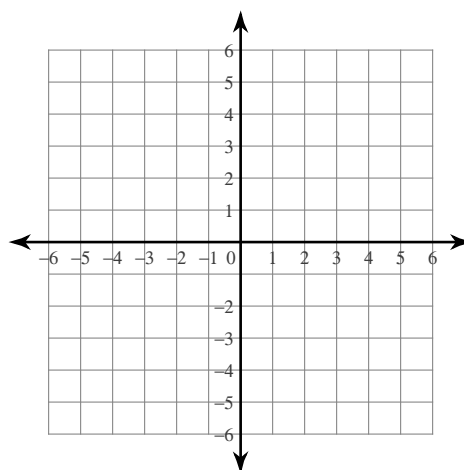
19) $4x - 5y < 0$



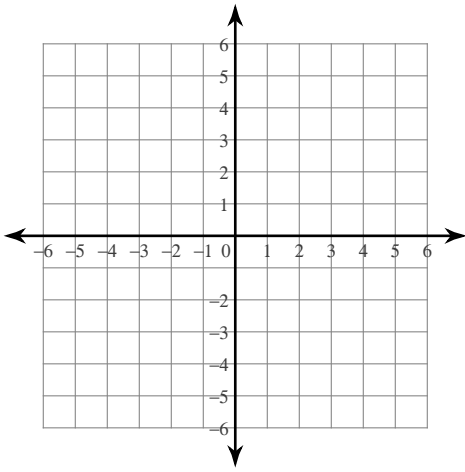
20) $x + y < 1$



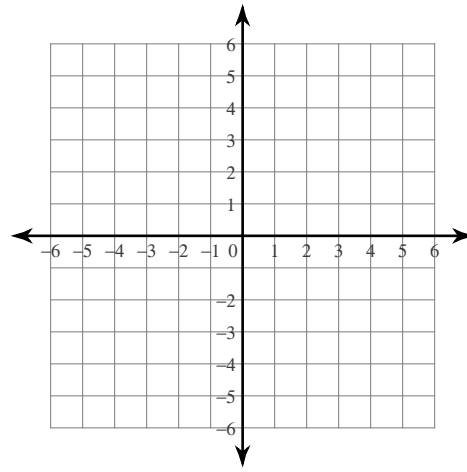
21) $3x + y < 0$



22) $7x - 3y \leq 12$

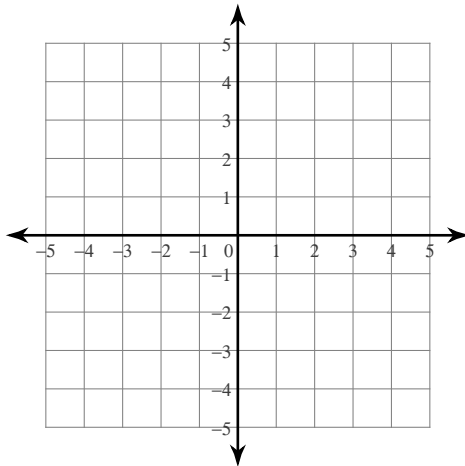


23) $x - 2y \geq 4$

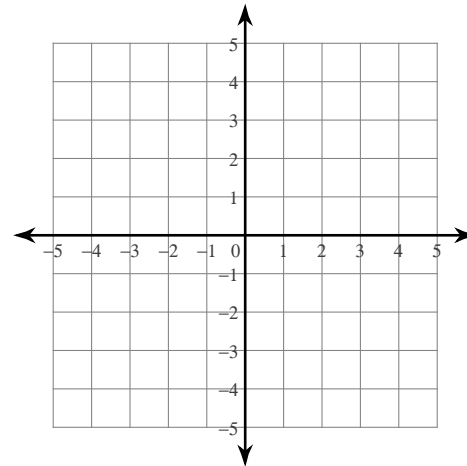


Sketch the solution to each system of inequalities.

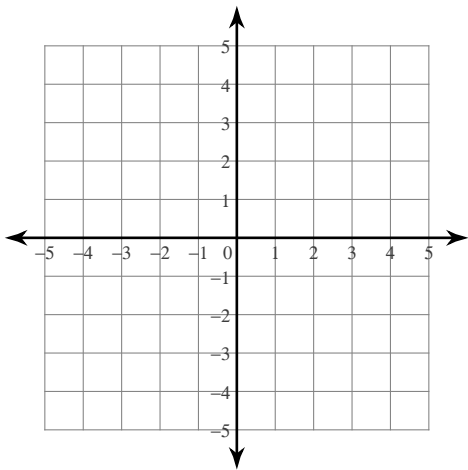
24) $5x + 3y > 6$
 $x + 3y \leq -6$



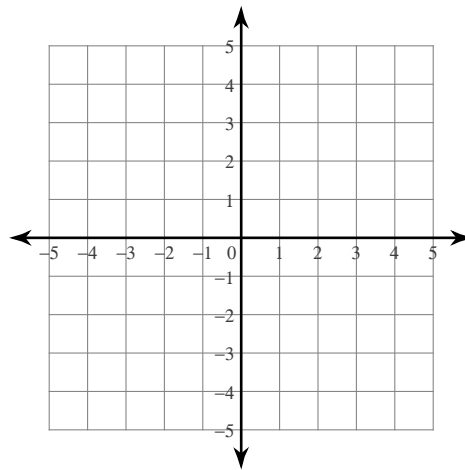
25) $3x + y < 2$
 $2x - y > 3$



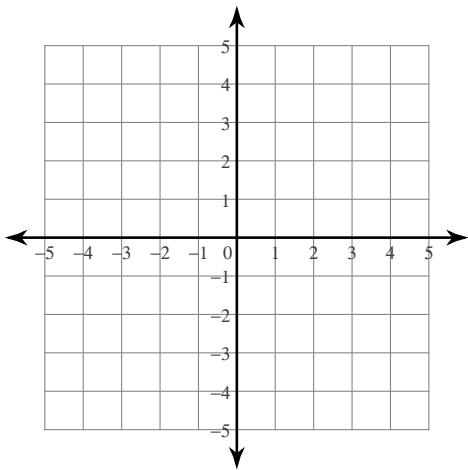
26) $5x + 2y \leq 6$
 $x - 2y > 6$



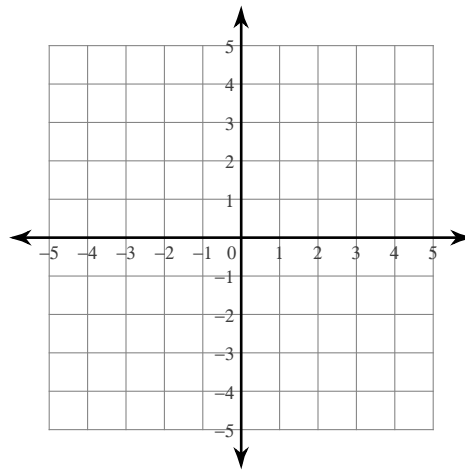
27) $x - y < 1$
 $x + y \geq -3$



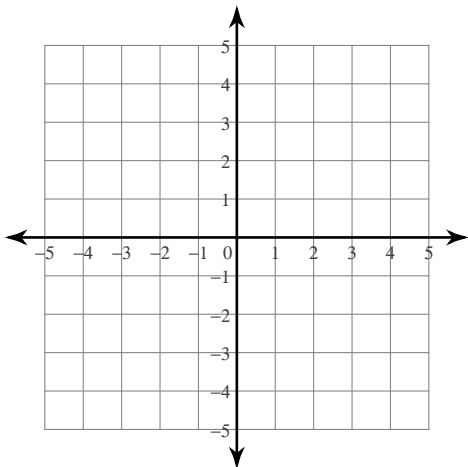
28) $x + y \geq -2$
 $4x - y \leq -3$



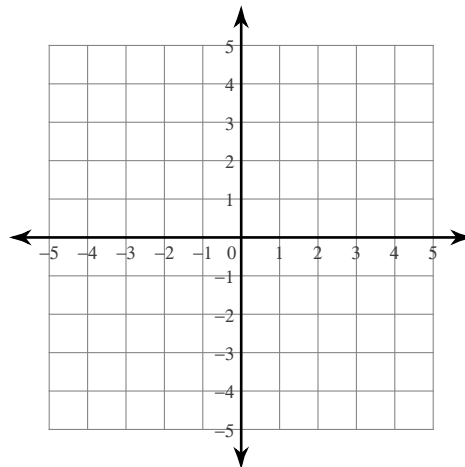
29) $x + y < 2$
 $y > 3$



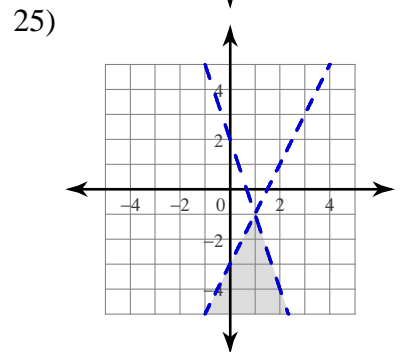
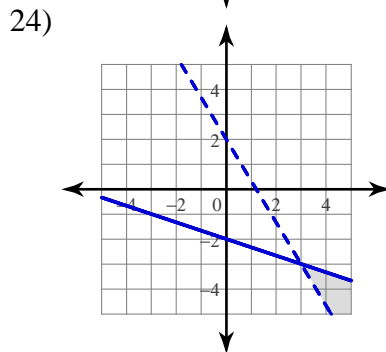
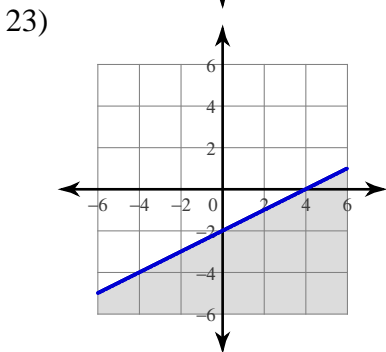
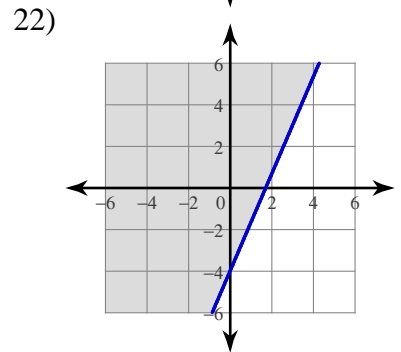
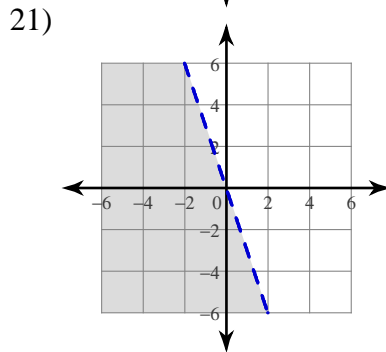
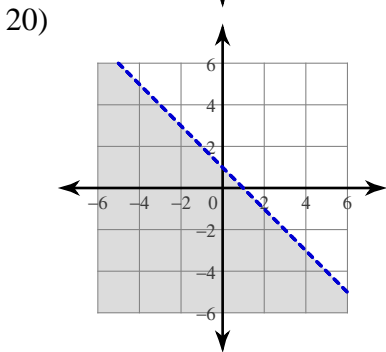
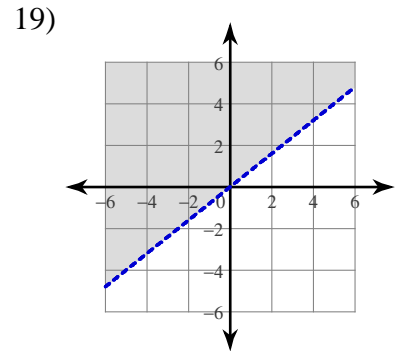
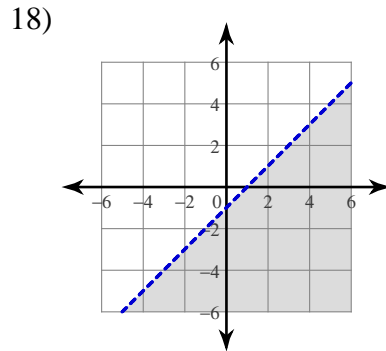
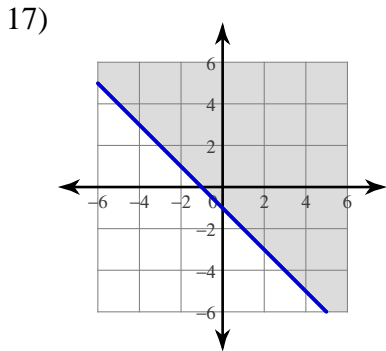
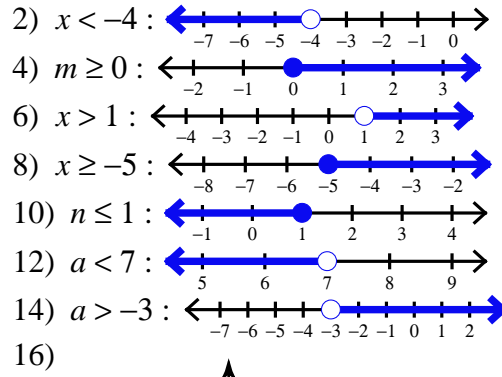
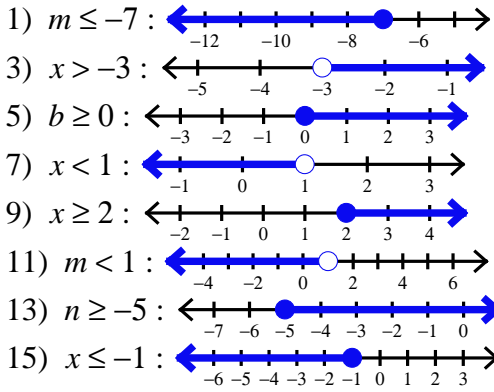
30) $x + y \geq -1$
 $x < 1$



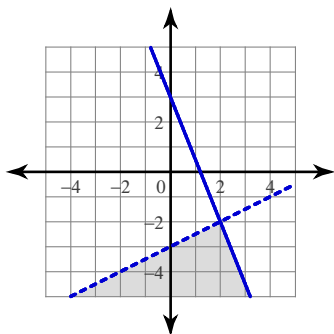
31) $x - y \leq 2$
 $x + 3y \geq 6$



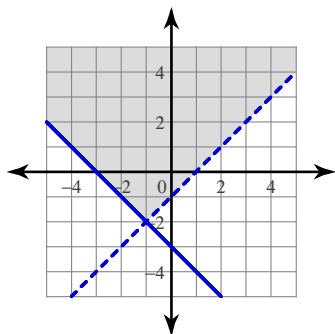
Answers to Review Questions - Inequalities



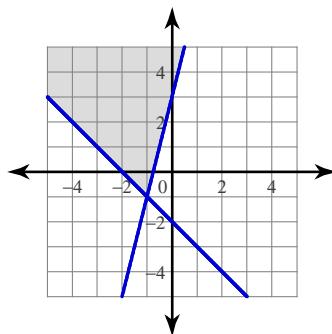
26)



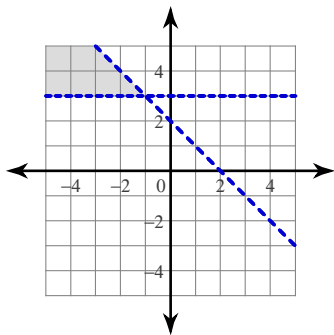
27)



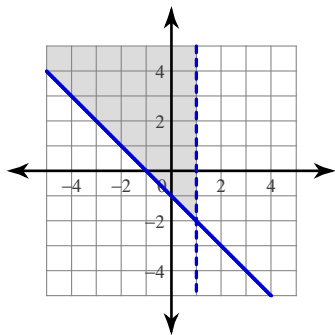
28)



29)



30)



31)

