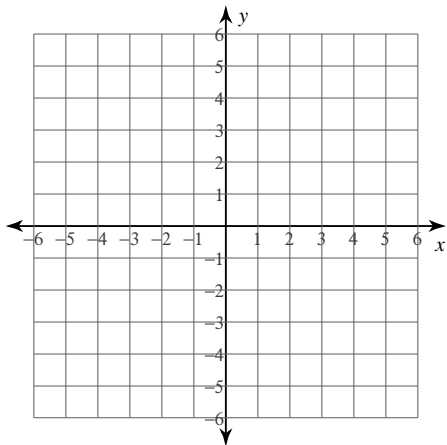


Algebra 1.5

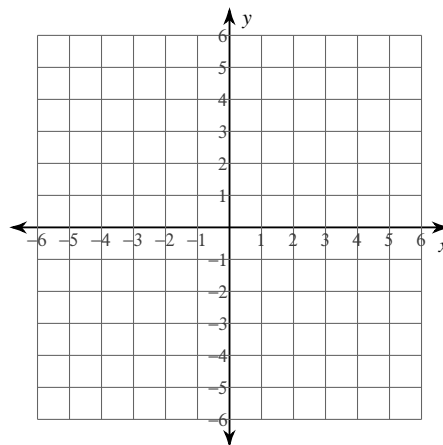
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Sketch the graph of each linear inequality, test and shade. Show all work.

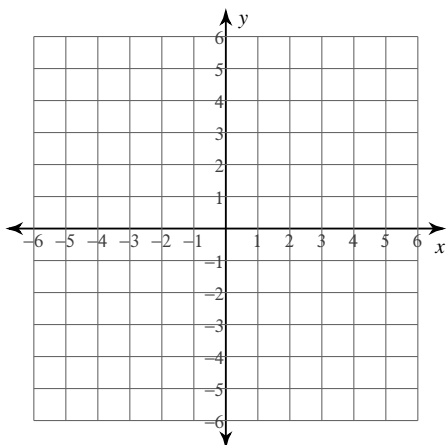
1) $y \geq 2x + 3$



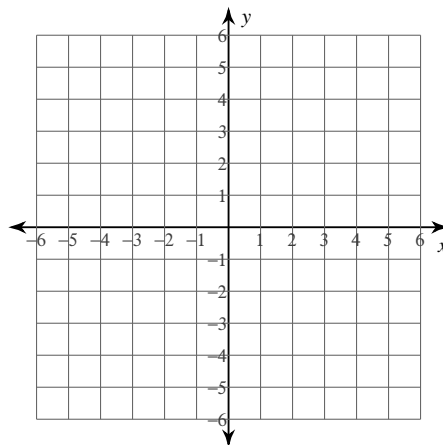
2) $y < \frac{1}{2}x$



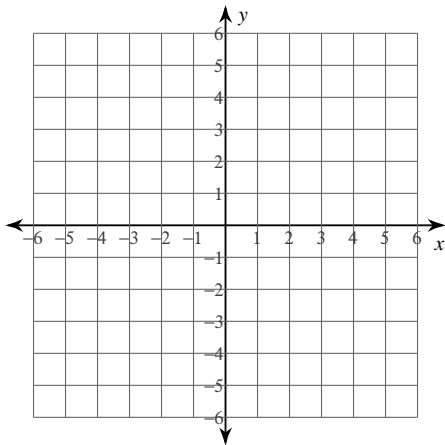
3) $y > x + 2$



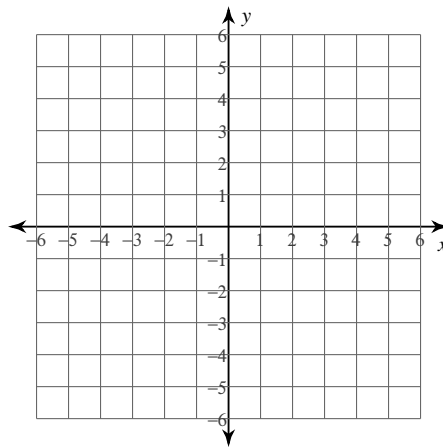
4) $y \geq -\frac{1}{2}x - 2$



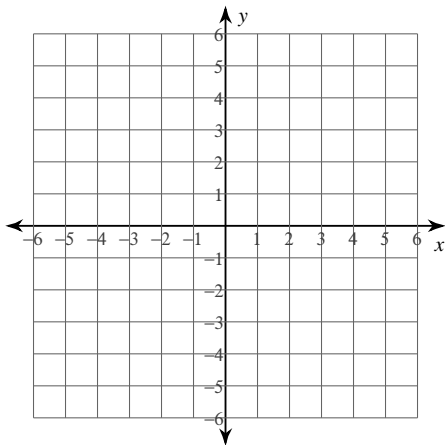
$$5) y \leq -\frac{4}{3}x - 1$$



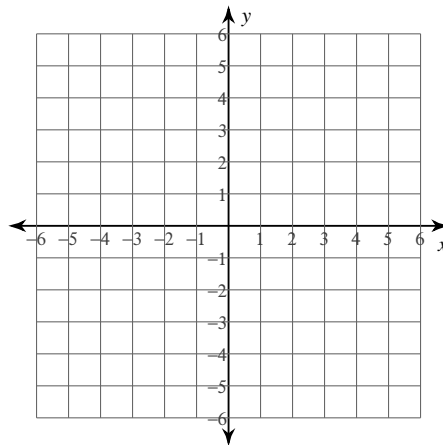
$$6) y < -8x - 4$$



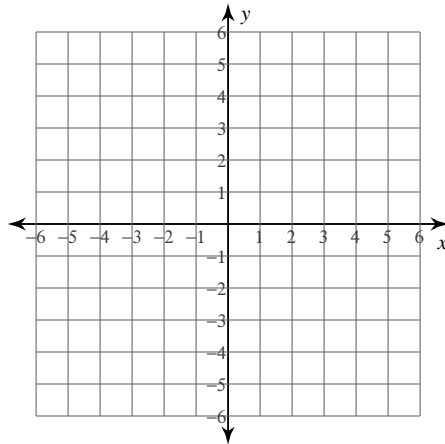
$$7) y \leq -\frac{2}{3}x + 5$$



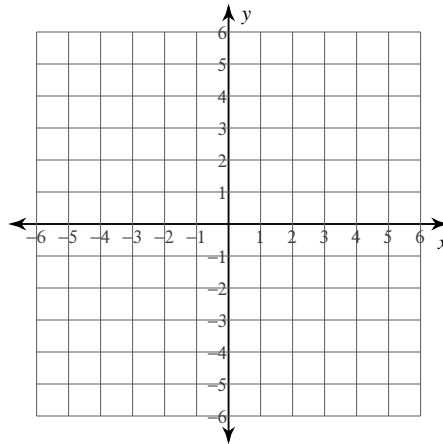
$$8) y > -\frac{6}{5}x - 2$$



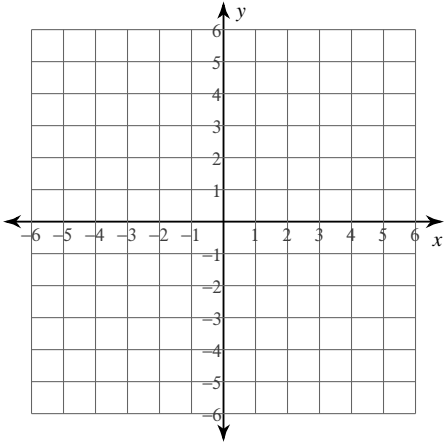
$$9) y > 3$$



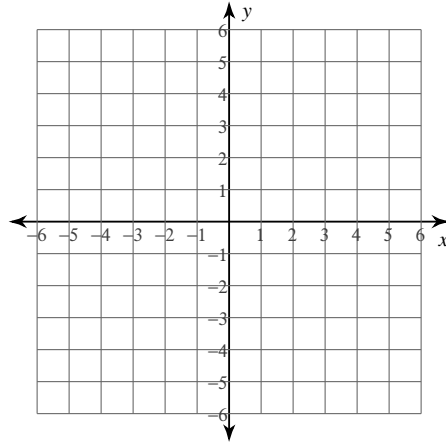
$$10) x - 3y \geq -3$$



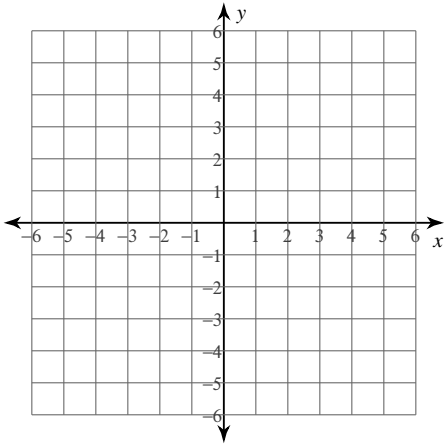
11) $x + 3y \geq -12$



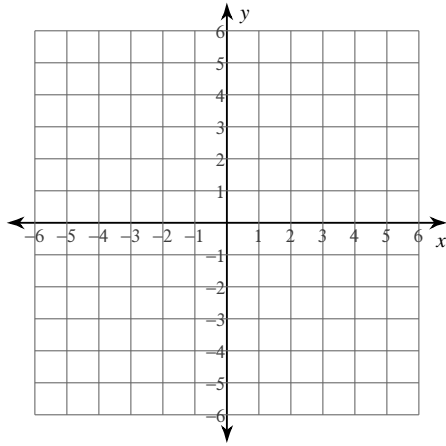
12) $y \leq 4$



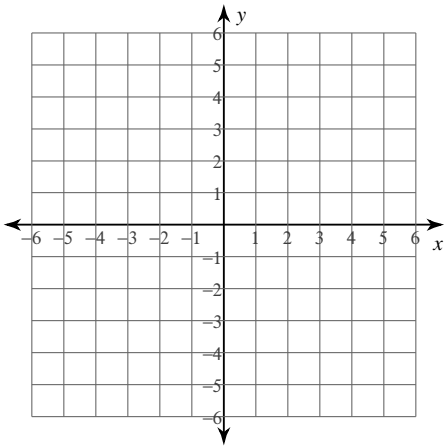
13) $x - 5y \leq 10$



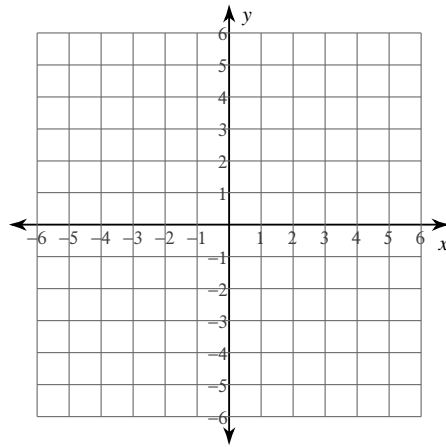
14) $2x + 3y > 6$



15) $x - 4y > 12$



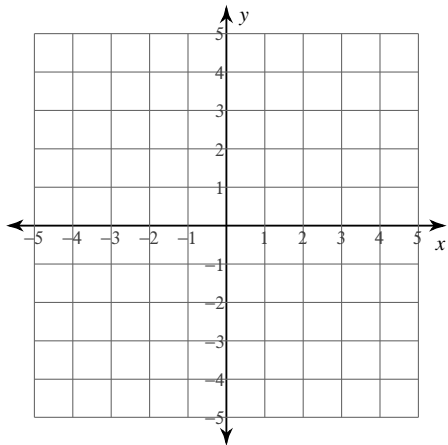
16) $y < 1$



Sketch the solution to each system of inequalities.

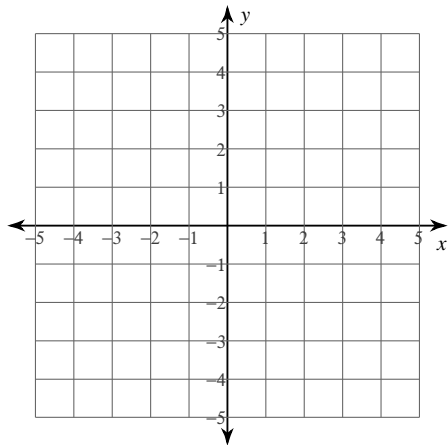
17) $y \leq \frac{4}{3}x - 2$

$y > -\frac{1}{3}x + 3$

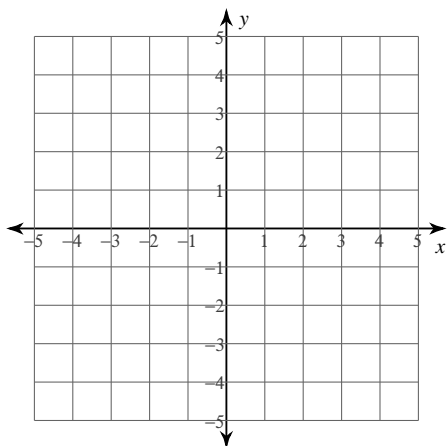


18) $y \leq \frac{1}{2}x - 1$

$y < \frac{3}{2}x + 1$



19) $5x - 2y > -6$
 $x - 2y \geq 2$



20) $2x - y < 3$
 $x + y \leq 3$

