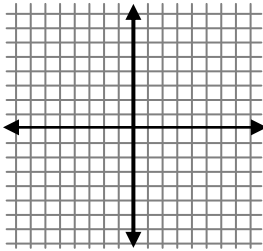


1. Solve: $\frac{2}{3}k - 12 = -18$

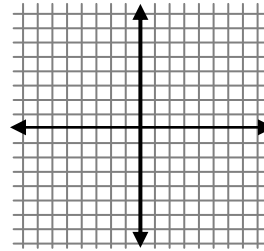
2. Solve and graph solution on a number line: $3 - (x - 4) < 5 + 4(x - 2)$



3. Graph the linear inequality: $y > -\frac{4}{3}x + 3$



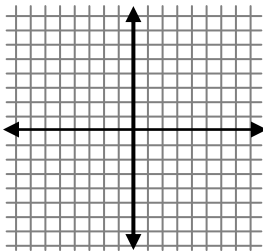
4. Graph the line: $2x - 4y = 4$



5. Write the equation of a line that is perpendicular to $y = \frac{4}{3}x + 2$ and passes through the point (8, -1).

(Remember to use the point-slope formula and write answer in slope-intercept form!)

6. Solve the system by **graphing**:
 $3x - 2y = 6$
 $y = 2x - 3$



7. Solve the system by **substitution**:
 $6x - 2y = -10$
 $y = -4x - 2$

8. Solve the system by **elimination**:
 $6x + 5y = 2$
 $2x + 3y = -2$

9. Simplify: $\frac{5d^8r^{-2}}{10d^3r^3}$

10. Simplify: $(3a^5b^8)^3(-5a^2b)$