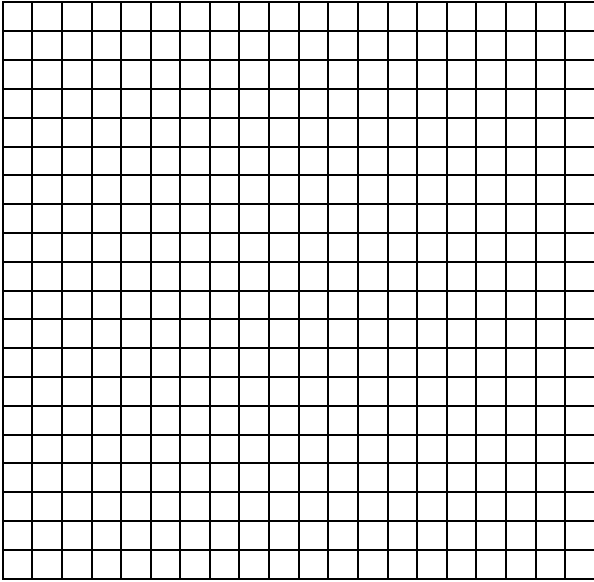


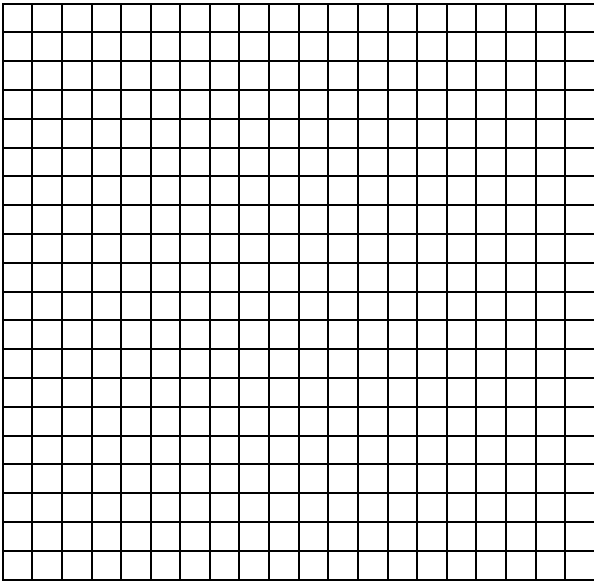
Show all necessary steps Clearly, Neatly, and Systematically to receive full credit. Any incorrect statement will be penalized.

1. Solve:  $\frac{3}{4}|5 - 6x| + 7 = 10$ .
2. Graph the solution set of the inequality:  $-6x - 8y < -56$ .
3. Find the equation of the line passes through  $(-4, 3)$  and parallel to the line  $13x + 39y = 57$ . Write the result in standard form.
4. Solve:  $-3(-4 - 5x) < 6x$  or  $7 - 8x \geq 9(10x + 11)$ . Write the result in interval notation, set-builder notation, and graph.
5. Find the x-intercept and y-intercept of the line:  $7y = 42 - 6x$ . Then graph.
6. Find the equation of the line passes through  $\left(\frac{3}{4}, -1\right)$  and  $\left(\frac{2}{3}, -2\right)$ . Write the result in slope-intercept form.
7. Solve:  $\frac{a}{b} + c = d$  for  $b$ .
8. Solve:  $-4|-5 - 6x| + 7 \geq -9$ . Write the result in interval notation.
9. Find slope and y-intercept of the line:  $2x - \frac{4}{3}y = \frac{4}{3}$ . Then graph.
10. Solve:  $\left|\frac{1}{2} + \frac{3}{4}x\right| = \left|\frac{5}{6}x - \frac{7}{8}\right|$ .
11. Solve:  $4x - 7 < 3x - 5$  and  $-11 - x > 4x + 4$ . Write the result in interval notation and graph.
12. Solve:  $-\frac{7}{11}\left|\frac{8}{11} + \frac{9}{11}x\right| - \frac{10}{11} < \frac{12}{11}$ . Write the result in interval notation.

2.



5.



9.

