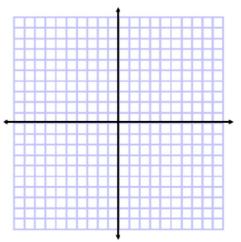
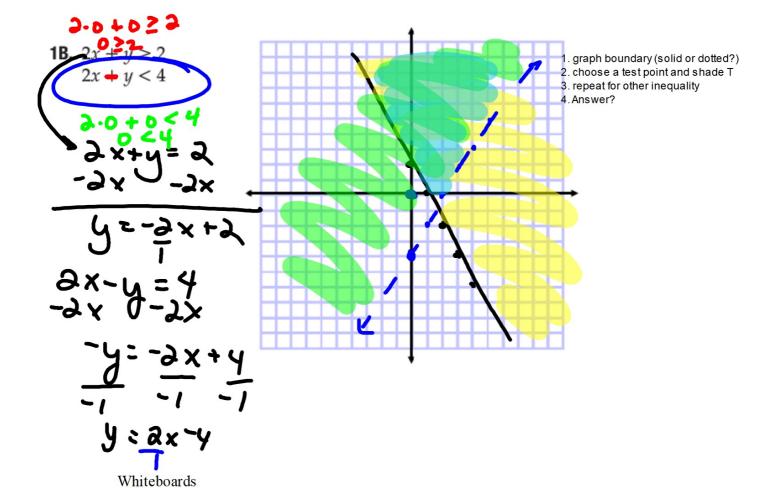
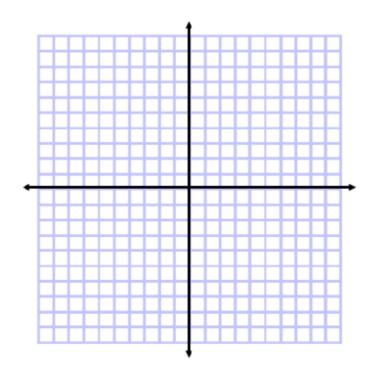
* Ch. 5.6

Algebra 1 6.6 Solve systems of linear inequalities by graphing Apply systems of linear inequalities linear inequality* system boundary open closed Whiteboards



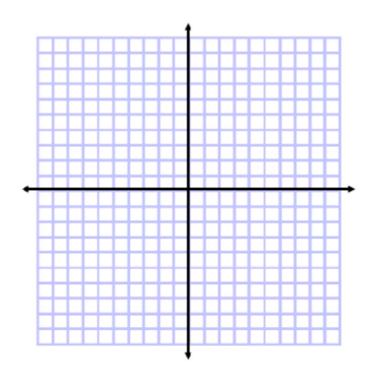


Whiteboards
$$y \ge -4$$
 $3x + y \le 2$



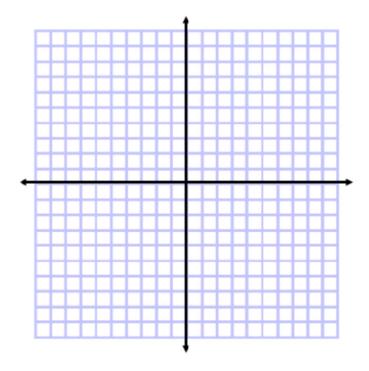
1D.
$$x + y > 2$$

 $-4x + 2y < 8$



GuidedPractice

2A. y > 3 y < 1



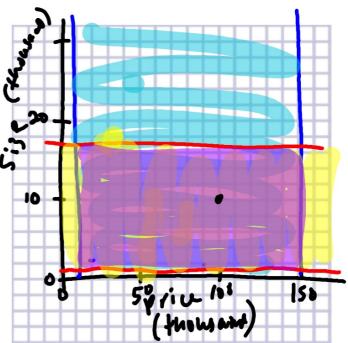
25. ICE RINKS Ice resurfacers are used for rinks of at least 1000 square feet and up to 17,000 square feet. The price ranges from as little as \$10,000 to as much as \$150,000.



a. Define the variables, and write a system of inequalities to represent this situation. Then graph the system.

- b. Name one possible solution.
- **c.** Is (15,000, 30,000) a solution? Explain.

1000 < S < 17000 10,000 < P < 150,000 \$100,000, 10,000 ft2



2B.
$$x + 6y \le 2$$
 $y \ge -\frac{1}{6}x + 7$

