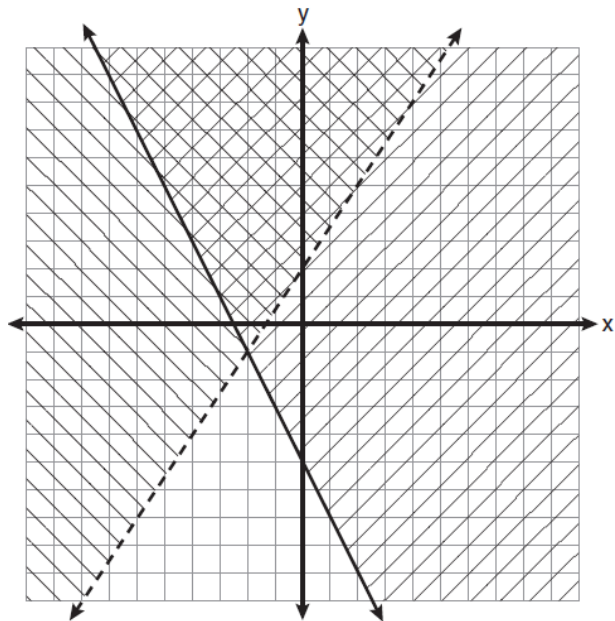


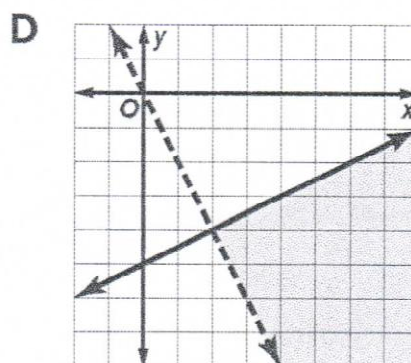
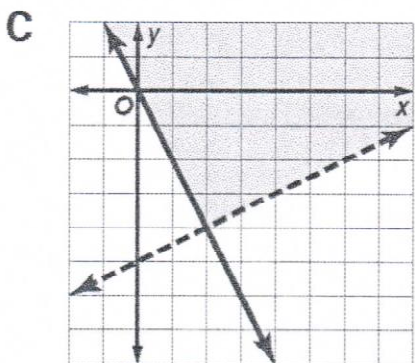
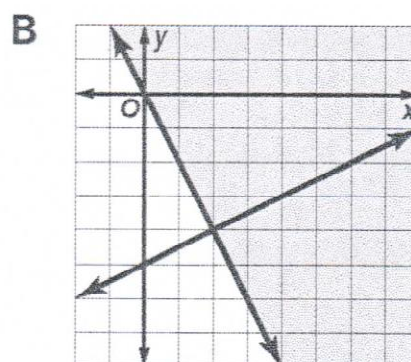
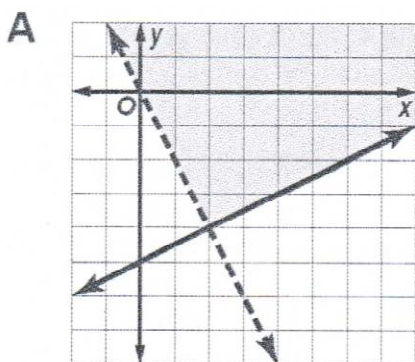


1. Which ordered pair is in the solution set of the system of inequalities shown in the graph below?



- | | |
|----------------|----------------|
| (1) $(-2, -1)$ | (3) $(-2, -4)$ |
| (2) $(-2, 2)$ | (4) $(2, -2)$ |

2. Which is the graph of the solution set of the system of inequalities?
- $$\begin{aligned} x - 2y &\leq 10 \\ 2x + y &> 0 \end{aligned}$$





3. Lucy and Barbara began saving money the same week. The table below shows the models for the amount of money Lucy and Barbara had saved after x weeks.

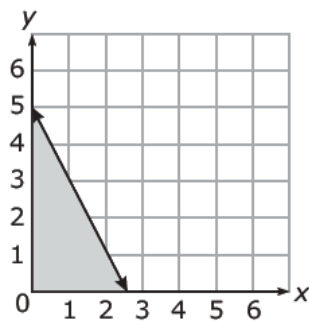
Lucy's Savings	$f(x) = 10x + 5$
Barbara's Savings	$g(x) = 7.5x + 25$

After how many weeks will Lucy and Barbara have the same amount of money saved?

- A 1.1 weeks
- B 1.7 weeks
- C 8 weeks
- D 12 weeks

4. Which ordered pair is *not* in the solution set of $y > 2x + 1$?
[1] (1,4) [2] (1,6) [3] (3,8) [4] (2,5)

5. What scenario could be modeled by the graph below?



- A The number of pounds of apples, y , minus two times the number of pounds of oranges, x , is at most 5.
- B The number of pounds of apples, y , minus half the number of pounds of oranges, x , is at most 5.
- C The number of pounds of apples, y , plus two times the number of pounds of oranges, x , is at most 5.
- D The number of pounds of apples, y , plus half the number of pounds of oranges, x , is at most 5.