

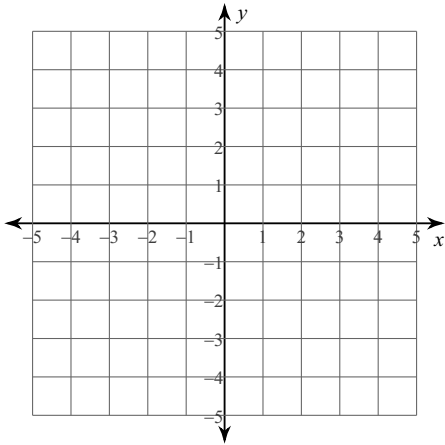
Practice Quiz - Challenge Me

SYSTEM OF EQUATIONS: Solve the problem by solving for each of the 3 variables.

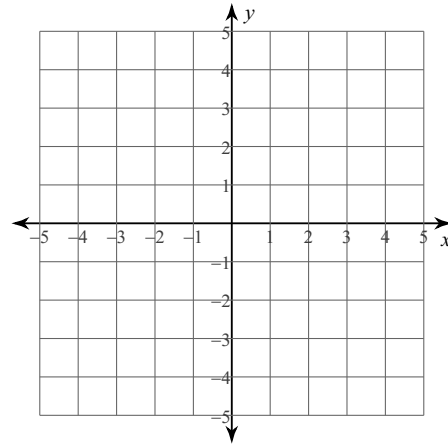
1) $3x + 2y + 3z = -3$
 $-2x + 2y + z = 0$
 $-2x + y - 2z = -12$

SYSTEM OF INEQUALITIES: Choose 2 system of inequalities to graph from problems #2-5. Shade the solution area. Remember to make a dotted or solid line.

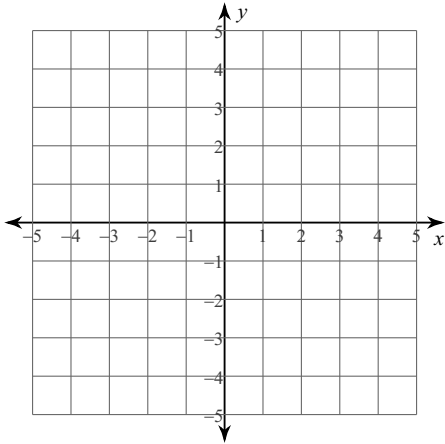
2) $y \leq -4x + 3$
 $y \geq 2x - 3$



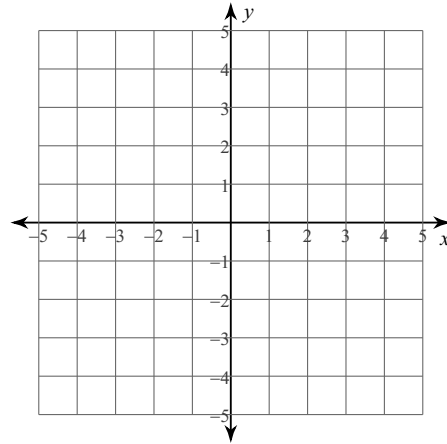
3) $y \leq -5x + 3$
 $y \leq x - 3$



4) $3x - y \leq 2$
 $x + y > 2$



5) $5x - y < 3$
 $x + y \leq 3$



6) Answer # 6 with any method you want.

Eugene and Maria are selling fruit for a school fundraiser. Customers can buy small boxes of oranges and large boxes of oranges.

Eugene sold 16 small boxes of oranges and 5 large boxes of oranges for a total of \$287.70.

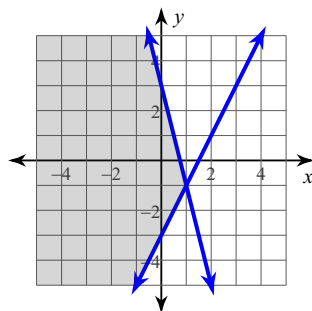
Maria sold 11 small boxes of oranges and 9 large boxes of oranges for a total of \$300.70.

What is the cost each of one small box of oranges and one large box of oranges?

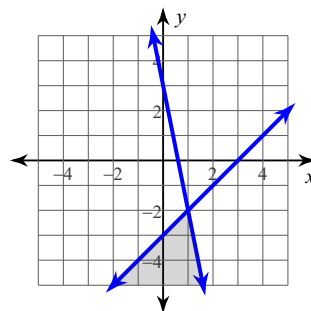
Answers to Practice Quiz - Challenge Me

1)

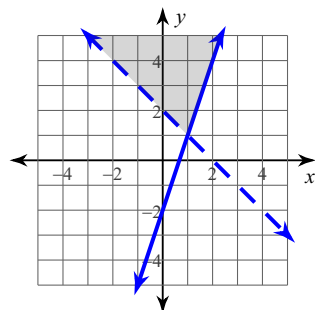
2)



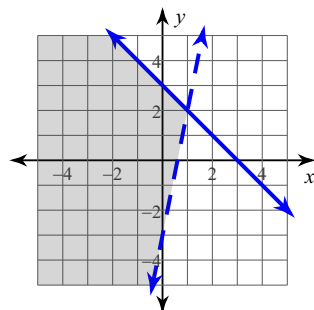
3)



4)



5)



6) small box of oranges: \$12.20, large box of oranges: \$18.50