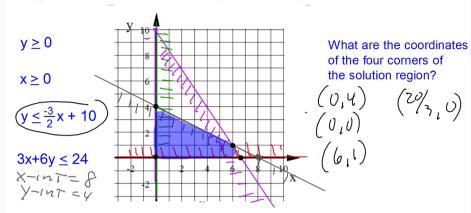
Graph this system of inequalities. Shade the solution region a different color than any of the inequalities.



Write an equation to model this statement.

You can sell a painting for \$45 each and a sculpture for \$70 each.

$$45p + 70s = T$$

I'm going to the store to buy some CD's and some DVD's. DVD's cost \$12 each and CD's cost \$8 each.

I can spend no more than \$48 at the store.

Define variables and write three inequalities to represent all the constraints in this situation.

Constraint: Any restriction or limit on a variable.

Find at least 5 combinations of CD's and/or DVD's that meet all of these constraints.

> some possible answers are in the table to the right.

(= # CD'S

D =# DVD &

(2/3,0)

D = # DVD's

8C + 12D < 48

