

Name_____

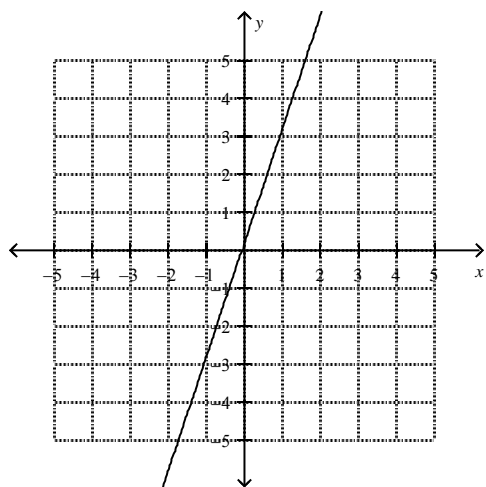
Solve each system of equation. Write equations for each situation then solve the system of equation.

1. Wyatt's t-shirt shop charges \$5 per shirt plus a \$15 set up charge. Lucas' t-shirt shop charges \$8 per shirt plus a \$12 set up charge. How many shirts do you have to buy for Wyatt's and Lucas' to cost the same amount?
2. Vlad's phone company charges \$30 set up charge and \$20 per month. Helen's phone company charges \$15 a month and \$35 set up charge. When will their phone companies charge the same?
3. Ali's boat rental charges \$15 plus \$5 per hour. Colin's boat rental charges \$18 plus \$3 per hour. When will the boat rental companies cost the same?

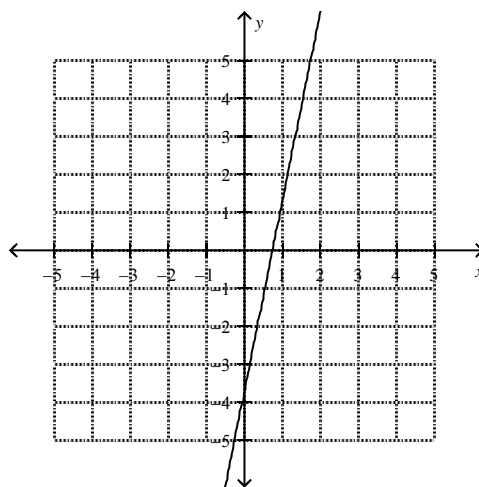
4. Lizbeth printing shop charges \$50 set up fee and \$3 to print each page. Kallie printing charges \$25 set up fee plus \$8 per sheet. When will both printing companies cost the same?

Write an equation for each graph.

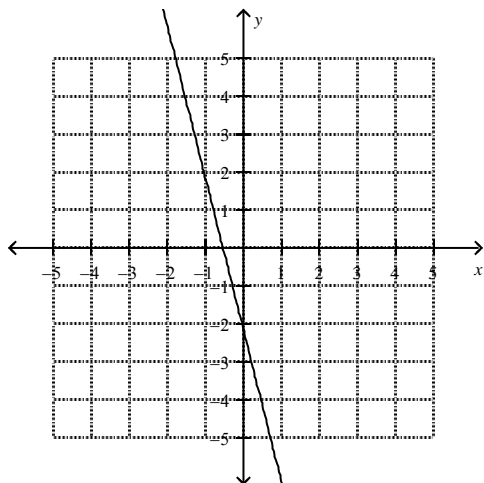
1.



2.



3



4.

