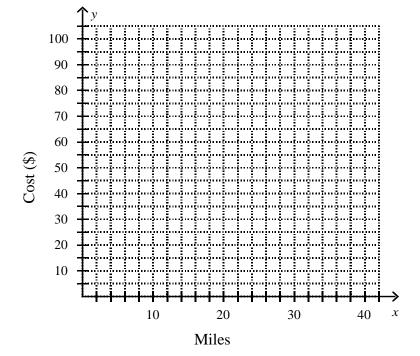
FLUENCY PRACTICE: Solving Word Problems by Graphing System of Equations

Name:	Period:
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Directions: Graph each system of equations to find the intersection.

1. Roger's car broke down and needs to be towed to a repair shop. One towing company charges a flat fee of \$60 and \$1 a mile. Another company charges a flat fee of \$30 and \$2 a mile. What are the linear functions that represent this situation?



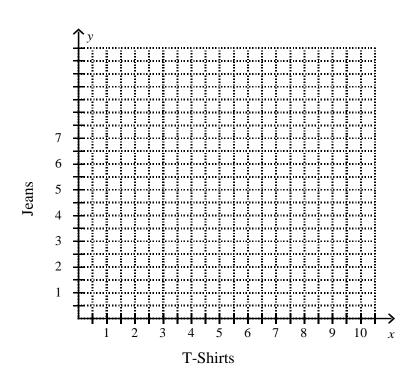
Graph the linear functions.

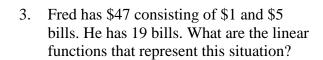
When will the charges for both companies be the same?

2. Nick has \$150 to spend on t-shirts and jeans. One store has jeans on sale for \$30 and t-shirts for \$15. He wants to buy a total of 7 items. What are the linear functions that represent this situation?

Graph the linear functions.

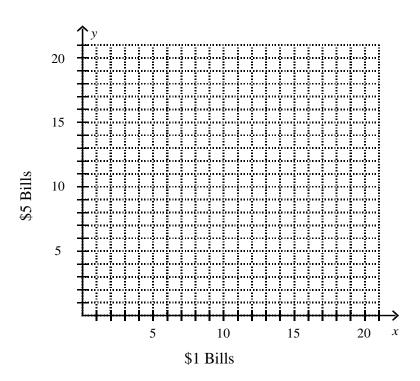
How many pairs of jeans and t-shirts should Nick buy?





Graph the linear functions.

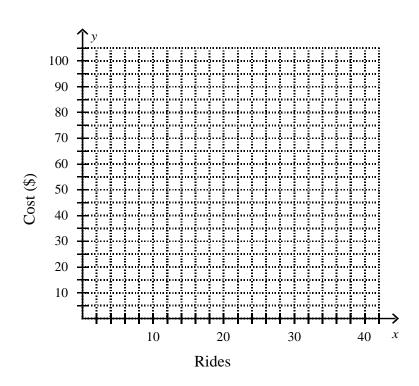
How many of each dollar bill does Fred have?

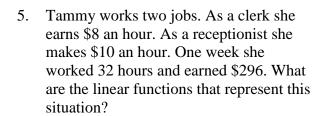


4. Tim rides the bus to and from work every day. There are 2 options for Tim to pay for the bus. He can pay \$3 each time he rides the bus or by a bus pass that costs \$60 and just pay a dollar every time he rides the bus. What are the linear functions that represent this situation?

Graph the linear functions.

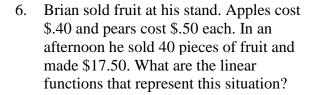
How many times riding the bus will it cost Tim the same amount?





Graph the linear functions.

How many hours did she work at each job that week?



Graph the linear functions.

How many of each fruit did he sell?

