

Name: _____

Math 80 Worksheet #2
January 26, 2007

1. How many liters of a 60% alcohol solution must be added to 15 liters of a 10% alcohol solution to get 20% alcohol solution?
2. Bob invested \$1000 at some rate and invested \$3000 at double the first rate. He made \$210 in interest that year. What were the annual rates of each investment?
3. At precisely the same instant, two cars leave towns that are 400 miles apart and travel towards each other on a straight highway. They meet after 4 hours. Find the speed of each car if one travels 20 mph slower than the other.
4. Complete the ordered pair $(1, \quad)$ for the equation $6x = 12 - 3y$.
5. Graph $6x = 12 - 3y$. What are the intercepts for this equation?
6. Graph the linear equations $x = 5$ and $y = -2$.