

Name \_\_\_\_\_

## Robots Answer Key

1. The assembly line will produce 90 robots in 2 hours.
2. There are 400 non-defective robots.
3. There is 0.75 hours (or 45 minutes) of battery life remaining.
4. Robot B is 1.25 meters per second faster than Robot A.
5. The total weight of all the sensors is 3.2 kilograms.
6. The discounted price of the robot is \$722.50.
7. The robot can handle 4.55 newtons more force before breaking.
8. The robot has undergone 7 maintenance sessions.
9. The robot needs to adjust 7 times.
10. The total amount of tax paid is \$4,747.50.