**Acceleration & Speed**

**Problems.**

**II**

1. **If a car changed its velocity from 28 m/s to 58 m/s in 5 seconds, what is the acceleration?**
2. **If a car has an acceleration of 55 m/s2, an initial velocity of 82 m/s and a time of 15 seconds, what is the final velocity?**
3. **If a car had an acceleration of 33 m/s2, an initial velocity of 34 m/s and a final velocity of 99 m/s, what was the time?**
4. **If a car accelerated from 15 m/s to 25 m/s in 2.5 s, what is the acceleration?**
5. **If it took you 2.5 hours to travel 108.99 miles, what was your average speed?**
6. **If you were at a stop sign and it took 75 s to reach a speed of 30 m/s, what was your acceleration?**
7. **If you were traveling 76.999 m/s and stomped on your brakes to have a final velocity of 35 m/s in 8.5 s, what would your acceleration be?**
8. **If an object had an acceleration of 5.789 m/s2, a time or 18.9s and an initial velocity of 5.5 m/s, what is its final velocity?**