```
class Date
{
  public short Day {get; }
  public short Month {get; }
  public short Year {get; }
  public Date (short dd, short mm, short yy)
{
    Day = dd;
    Month = mm;
    Year = yy;
  }
public void ClassInvariant()
  {
    Contract.Invariant(this.Day >= 0)
    Contract.Invariant(this.Month >= 0)
    Contract.Invariant(this.Year >= 0)
  }
  }
```

5.3

$m + n == n + m$

From the lecture notes, we know that zero_left and zero_right hold, i.e for some b, using zero_left and zero_right, we know that

zero + b == b and that b + zero == b

therefore zero + b == b + zero, since as both R.H.S (Right hand side) terms are equal, we can equate the left hand terms, therefore this holds for two integers zero and b which we