

```
1 public class Time{
2     private int hour =0;
3     private int minute =0;
4     // 4 pts
5     public void setTime(int hour, int minute, boolean isAm){
6         int inc = (isAm)?0:12;
7         this.hour = hour+inc;
8         this.minute = minute;
9     }
10    // 6 pts
11    public boolean isValid(int hour, int minute){
12        if(hour >=0 && hour <=11 && minute>=0 && minute <=59)
13            return true;
14        return false;
15    }
16    // 7 pts
17    public int getHour(){return hour;}
18    // 5 pts
19    public int getMinute(){ return minute;}
20    // 5 pts
21    public int compareTo(Time right){
22        int t1 = hour*60+minute;
23        int t2 = right.getHour()*60+right.getMinute();
24        if(t1<t2) return -1;
25        else if(t1>t2) return 1;
26        else return 0;
27    }
28    // 12 pts
29    public String toString(){
30        return "("+hour+", "+minute+")";
31    }
32    // 5 pts
33 }
```