Pg. 92 # 1 - 6, 8

1. a) if (grade >= 90)
```
{
    System.out.print ("Great job!");
}
```
b) if (number < 20 || number > 50)
```
{
    System.out.print ("Error");
}
```
c) if (y<100)
```
{
    y = y + 2;
}
```

2. if (num1 > num2)
```
{
    System.out.println("First number is larger.");
}
else if ( num2 > num1 )
{
    System.out.println("Second number is larger");
}
else
{
    System.out.print("Numbers are equal");
}
```

3. a) If = even
   Else = odd

b) switch (num % 2) {
```
  case 0:
      System.out.print("Even Number");
      break;
  default:
      System.out.print("Odd Number");
      break;
```

4. a) int num = rand.nextInt(50) + 1 ;
   b) int num = rand.nextInt(81) + 20 ;
   c) int num = rand.nextInt(11) + 10 ;

5. Doesn't take into account the ages 18 and 65

6. a) True
   b) False
   c)True
   d)True
   e)True
   f)True
   g)True

8. a)True
   b)False - Integers don't have decimals
   c) False - A nested statement has another statement within the existing if statement.
   d)False - It must evaluate to an int
   e)True
   f)False - The same sequence of numbers will run
   g)True
   h)True
   i)False - ! is evaluated first
   j)True
   k)True
   l)True