1. Answers:
   a. 3
   b. 2
   c. 4
   d. 3
   e. 4
2. Code:

   a.
```
1  #include <stdio.h>
2  int main(){
3      int m=70, p=70, c=70, tot1, tot2; //m=10 and 70
4      tot1 = m+p+c;
5      tot2=m+p;
6      if((m>=60&&p>=50&&c>=40&&tot1>=200)||tot2>=150)
7          printf("Admit to college");
8      else
9          printf("Do not admit to college");
10     return 0;
11 }
```

3. Codes

   a.
```
1  #include <stdio.h>
2  int power_v(int a,int b){ //call by value
3      int i, r=1;
4      for(i=1;i<=b;i++){
5          r = r*a;
6      }
7      return r;
8  }
9  int power_r(int* a, int* b){//call by reference
10     int i, r=1;
11     for(i=1;i<=*b;i++){
12         r = r * *a ;
13     }
14     return r;
15 }
16 int main() {
17     int x=5, y=5, res1, res2;
18     res1 = power_v(x,y);
19     printf("%d to the power %d = %d", x,y,res1);
20     res2 = power_r(&x,&y);
21     printf("\n%d to the power %d = %d", x,y,res2);
22     return 0;
23 }
```