

Gabarito prova II

1. a) 48 b) 105

2.

```
m = int ( rand(5,6) * 100);
soma = 0;
for i=1:5
    for j=1:6
        soma = soma + m(i,j);
    end
end
printf("A soma eh %g.\n", soma);
```

3.

```
for i=1:10
    printf("Forneca o valor da posicao %g do vetor: ", i);
    v(i) = input("");

end

plot2d([1:10],v);
```

4.

```
function primo = ehPrimo(n)
    if n > 1 then
        d = 2;
        while modulo(n,d)~=0
            d = d + 1;
        end
        primo = (d == n);
    else
        primo = %f;
    end
endfunction
```

5.

```
arqE = mopen("dados.txt", "r");
soma = 0;
qtde = 0;
while ~eof(arqE)
    [n, valor] = mfscanf(arqE, "%g");
    if n==1 then
        soma = soma + valor;
        qtde = qtde + 1;
    end
end
mclose(arqE);
media = soma / qtde;
arqS = mopen("media.txt", "w");
mfprintf(arqS, "%g", media);
mclose(arqS);
```