## **Math Functions**

#include <stdio.h>

#include <math.h>

int main() {

float num;

int squareVal, base, exponent;

scanf("%f", &num);

scanf("%d", &squareVal);

scanf("%d", &base);

scanf("%d", &exponent);

int floored = (int)floor(num);

int ceiled = (int)ceil(num);

int squareRoot = (int)sqrt(squareVal);

int power = (int)pow(base, exponent);

printf("%d\n", floored);

printf("%d\n", ceiled);

printf("%d\n", squareRoot);

printf("%d\n", power);

return 0;

}