

1>a>

code for the program:-

```
function X=arith()  
Y=2.^5;  
Z=(Y)-1;  
X=Y/Z;  
disp('the value of 2.^5/2.^5-1');  
display(X)  
end
```

RESULT:-

the value of 2.^5/2.^5-1

X =

1.032258064516129

1>b>

code for the program:-

```
function X=arith2()  
Z=nthroot(5,2);  
P=Z-1;  
Q=(Z+1)*(Z+1);  
X=(3*(P/Q))-1;  
display(X)  
end
```

Result:-

the value of expression

X =

-0.645898033750315

1>c>

code for the program:-

```
function A=area();  
r=(nthroot(pi,3))-1;  
A=(pi)*r*r;  
display(r)  
display(A)  
end
```

Result:-

r =

0.464591887561523

A=(area)

0.678099020346954