Q2:

function diamond(){

space=n

for((i=1;i<=n;i=i+2))

do

for((j=1;j<=(n-i)/2;++j))

do

echo -n " "

done

for((k=1;k<=i;++k))

do

echo -n "\*"

done

echo -e

done

for ((i = (n / 2) + (n / 2) - 1; i >= 1; i = i - 2))

do

for ((k = 1; k <= (n - i) / 2; ++k))

do

echo -n " "

done

for ((k = 1; k <= i; ++k))

do

echo -n "\*"

done

echo -e

done

}

function triangle(){

for((i=n;i>=1;i--))

do

for((j=i;j>0;j--))

do

echo -n "\*"

done

echo -e

done

}

read -p "Enter a number: " n

if [ $((n%2)) -eq 0 ]

then

triangle

else

diamond

fi