<!DOCTYPE html>

<html>

<head>

<script>

{

distance();

}

function distance()

{

var AX=prompt("Please enter value of X of A");

var AY=prompt("Please enter value of Y of A");

var BX=prompt("Please enter value of X of B");

var BY=prompt("Please enter value of Y of B");

var CX=prompt("Please enter value of X of C");

var CY=prompt("Please enter value of Y of C");

var AB=0;

var BC=0;

var CA=0;

/\*Distance of AB\*/

{

AB=Math.sqrt((Math.pow((Number(BY)-Number(AY)), 2))+(Math.pow((Number(BX)-Number(AX)), 2)));

}

/\*Distance of BC\*/

{

BC=Math.sqrt((Math.pow((Number(CY)-Number(BY)), 2))+(Math.pow((Number(CX)-Number(BX)), 2)));

}

/\*Distance of CA\*/

{

CA=Math.sqrt((Math.pow((Number(AY)-Number(CY)), 2))+(Math.pow((Number(AX)-Number(CX)), 2)));

}

/\*Alerts to view the distance of AB,BC,CA\*/

/\*

{

alert("The distance of AB is" + AB);

}

{

alert("The distance of BC is" + BC);

}

{

alert("The distance of CA is" + CA);

}

\*/

{

areaoftriangle(AB,BC,CA);

}

}

function areaoftriangle(a,b,c)

{

a=Number(a);

b=Number(b);

c=Number(c);

var s=(a+b+c)/2;

var area=Math.sqrt(s\*(s-a)\*(s-b)\*(s-c));

var finalarea=Math.round(area\*10)/10

alert("The area of the triangle is" +' '+finalarea);

}

</script>

</head>

<body>

<form name="form">

<!---

<h1>Area of a Triangle</h1>

<br>

Given a triangle with 3 sides, we can use "heron's" formula to find the area of the triangle<br>

Enter "a" value: <input type="text" name="a"><br>

Enter "b" value: <input type="text" name="b"><br>

Enter "c" value: <input type="text" name="c"> <br>

<input type="button" value="Evaluate the area" onclick="areaoftriangle(document.form.a.value,document.form.b.value,document.form.c.value)"><br>

--->

<input type="button" value="AGAIN!" onclick="distance();">

</form>

</body>

</html>