



## Distance Formula - Triangles

Name \_\_\_\_\_

Score \_\_\_\_\_

DF:23

Complete the table whether the given set of points forms right, equilateral, isosceles or scalene triangle.

Q.No	Points	Right, equilateral, isosceles or scalene triangle
1)	A(-6, -2), B(-6, -7) and C(-9, -7)	<b>Right triangle, Scalene triangle</b>
2)	P(-3, -3), Q(3, 3) and R(-3 $\sqrt{3}$ , 3 $\sqrt{3}$ )	
3)	U(-4, -8), V(4, -8) and W(0, 0)	
4)	J(3, 8), K(9, 3) and L(5, 4)	
5)	D(-4, 5), E(-4, 1) and F(-3, 3)	
6)	R(-4, -4), S(0, -2) and T(4, -6)	
7)	F(5, 2), G(5, -3) and H(7, 2)	



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## Answer key

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Complete the table whether the given set of points forms right, equilateral, isosceles or scalene triangle.

Q.No	Points	Right, equilateral, isosceles or scalene triangle
1)	A(-6, -2), B(-6, -7) and C(-9, -7)	<b>Right triangle, Scalene triangle</b>
2)	P(-3, -3), Q(3, 3) and R(-3√3, 3√3)	<b>Equilateral triangle</b>
3)	U(-4, -8), V(4, -8) and W(0, 0)	<b>Isosceles triangle</b>
4)	J(3, 8), K(9, 3) and L(5, 4)	<b>Scalene triangle</b>
5)	D(-4, 5), E(-4, 1) and F(-3, 3)	<b>Isosceles triangle</b>
6)	R(-4, -4), S(0, -2) and T(4, -6)	<b>Scalene triangle</b>
7)	F(5, 2), G(5, -3) and H(7, 2)	<b>Right triangle, Scalene triangle</b>