



Distance Formula - Triangles

Name _____

Score _____

DF:22

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)	$A(-2, 3), B(0, 8)$ and $C(2, 3)$	Isosceles triangle
2)	$P(4, -2), Q(4, -6)$ and $R(1, -6)$	
3)	$U(2, 2), V(-2, -2)$ and $W(-2\sqrt{3}, 2\sqrt{3})$	
4)	$J(-8, 2), K(-5, 5)$ and $L(-8, 8)$	
5)	$D(-3, -3), E(1, -4)$ and $F(-2, -5)$	
6)	$R(-3, 1), S(-1, -2)$ and $T(-1, 1)$	
7)	$F(2, 9), G(6, 5)$ and $H(3, 2)$	



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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(-2, 3), B(0, 8) and C(2, 3)	Isosceles triangle
2)	P(4, -2), Q(4, -6) and R(1, -6)	Right triangle, Scalene triangle
3)	U(2, 2), V(-2, -2) and W(-2 $\sqrt{3}$, 2 $\sqrt{3}$)	Equilateral triangle
4)	J(-8, 2), K(-5, 5) and L(-8, 8)	Isosceles triangle
5)	D(-3, -3), E(1, -4) and F(-2, -5)	Scalene triangle
6)	R(-3, 1), S(-1, -2) and T(-1, 1)	Right triangle, Scalene triangle
7)	F(2, 9), G(6, 5) and H(3, 2)	Scalene triangle