Distance Formula - Triangles

Name _____

Score _____

DF:24

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

Distance Formula - Triangles

Name _____

Score _____

DF:24

Answer key

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