

VD 4.6.1

1. Given the vertices of a triangle, use dot product to classify the triangle (acute, right, obtuse)

A	B	C	Classified as
(0, 1)	(3, 2)	(4, -2)	acute
(1, 3)	(5, -2)	(3, -3)	acute
(-3, 2)	(1, 1)	(2, -3)	obtuse
(-4, 2)	(2, -2)	(4, 1)	right
(-2, 3)	(4, 1)	(3, 3)	obtuse
(-1, -2)	(0, 0)	(4, 1)	obtuse
(3, 6)	(1, 2)	(5, 0)	right
(-3, 3)	(2, 6)	(1, 2)	right