

	IM2 Quiz 1.2	
	Name:	September 12, 2018
	Teacher: Mr. Rawlings and Mr. Santowski	Calculator: <i>Active</i>
	Marks: ____ out of 20	

1. Given the points $A(5, -1)$ and $B(-7, 3)$.

a. Find the **distance** between point A and point B.

(4 marks)

b. Find the **midpoint** of the segment that joins point A and point B.

(3 marks)

c. Find an **equation of the line** perpendicular to the segment that joins point A and point B and that passes through its midpoint.

(4 marks)

2. Given that $(-1, -1)$ and $(9, 3)$ are endpoints of the diameter of a circle, find the length of its radius.

(4 marks)