

POSITION AND DISPLACEMENT VECTORS

Answer ALL questions. Give answers correct to 1 d.p. where appropriate.

1. Complete the table below:-

	Point	$\vec{OP}$	$ \vec{OP} $	θ
(a)	P (4, 6)	()		°
(b)	P (5, -8)	()		°

2. Complete the table below:-

	P	Q	$\vec{OP}$	$\vec{OQ}$	$\vec{OP} + \vec{OQ}$	$ \vec{OP} + \vec{OQ} $
(a)	(3, 7)	(5, 6)	()	()	()	
(b)	(2, -4)	(6, -8)	()	()	()	

3. Complete the table below:-

	P	Q	$\vec{OP}$	$\vec{OQ}$	$\vec{PQ}$	$ \vec{PQ} $
(a)	(2, 5)	(3, 6)	()	()	()	
(b)	(-3, -4)	(-6, -7)	()	()	()	
(c)	(-4, -6)	(-3, -6)	()	()	()	
(d)	(-5, 4)	(-7, -3)	()	()	()	