POSITION AND DISPLACEMENT VECTORS

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

1. Complete the table below:-

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

2. Complete the table below:-

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

3. Complete the table below:-

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

LIVEWORKSHEETS