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Math worksheet on *'Cartesian Grid - Vector from Direction (Angle) (Level 3)'*. Part of a broader unit on *'Cartesian Grid Basics - Practice'*

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1 Find the (x,y) change that the given direction would be

Right 3, Down 2

a	(2,-2)	**b**	(3,2)
c	(3,-1)	**d**	(4,-2)
e	(3,-2)	**f**	(-2,-3)

2 Find the (x,y) change that the given direction would be

Left 1, Up 5

a	(-1,4)	**b**	(5,-1)
c	(-1,6)	**d**	(-2,5)
e	(-1,5)	**f**	(-5,-1)

3 Find the (x,y) change that the given direction would be

Left 2, Up 2

a	(2,2)	**b**	(-3,2)
c	(-2,1)	**d**	(-2,2)
e	(-2,-2)	**f**	(2,-2)

4 Find the (x,y) change that the given direction would be

Left 1, Up 2

a	(-1,-2)	**b**	(1,2)
c	(0,2)	**d**	(-1,2)
e	(-2,-1)	**f**	(-1,1)

5 Find the (x,y) change that the given direction would be

Left 2, Down 6

a	(-2,6)	**b**	(-2,-5)
c	(6,-2)	**d**	(-2,-7)
e	(-6,-2)	**f**	(-2,-6)

6 Find the (x,y) change that the given direction would be

Left 2, Down 2

a	(-1,-2)	**b**	(-2,2)
c	(-2,-1)	**d**	(-3,-2)
e	(-2,-2)	**f**	(2,-2)

7 Find the (x,y) change that the given direction would be

Right 1, Down 3

a	(1,-2)	**b**	(3,1)
c	(-3,1)	**d**	(2,-3)
e	(1,-3)	**f**	(0,-3)