



Math worksheet on 'Cartesian Grid - Vector Between Displayed Points With Coordinates (Angle) (Level 3)'. Part of a broader unit on 'Cartesian Grid Basics - Practice'

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**1** Find the (x,y) change to go from point A to point B on the diagram

|          |         |          |        |
|----------|---------|----------|--------|
| <b>a</b> | (-2,1)  | <b>b</b> | (-3,1) |
| <b>c</b> | (-2,-1) | <b>d</b> | (1,-2) |
| <b>e</b> | (-2,2)  | <b>f</b> | (2,1)  |

**2** Find the (x,y) change to go from point A to point B on the diagram

|          |         |          |         |
|----------|---------|----------|---------|
| <b>a</b> | (3,-1)  | <b>b</b> | (-2,-1) |
| <b>c</b> | (2,1)   | <b>d</b> | (1,2)   |
| <b>e</b> | (-1,-2) | <b>f</b> | (2,-1)  |

**3** Find the (x,y) change to go from point A to point B on the diagram

|          |        |          |         |
|----------|--------|----------|---------|
| <b>a</b> | (-4,5) | <b>b</b> | (-4,-4) |
| <b>c</b> | (4,4)  | <b>d</b> | (-4,3)  |
| <b>e</b> | (-4,4) | <b>f</b> | (4,-4)  |

**4** Find the (x,y) change to go from point A to point B on the diagram

|          |        |          |         |
|----------|--------|----------|---------|
| <b>a</b> | (4,-3) | <b>b</b> | (-3,-3) |
| <b>c</b> | (3,-3) | <b>d</b> | (3,-2)  |
| <b>e</b> | (2,-3) | <b>f</b> | (3,3)   |

**5** Find the (x,y) change to go from point A to point B on the diagram

|          |         |          |        |
|----------|---------|----------|--------|
| <b>a</b> | (-1,5)  | <b>b</b> | (-2,4) |
| <b>c</b> | (-1,-4) | <b>d</b> | (1,4)  |
| <b>e</b> | (4,-1)  | <b>f</b> | (-1,4) |

**6** Find the (x,y) change to go from point A to point B on the diagram

|          |         |          |         |
|----------|---------|----------|---------|
| <b>a</b> | (-2,-4) | <b>b</b> | (-3,-4) |
| <b>c</b> | (-2,-3) | <b>d</b> | (4,-2)  |
| <b>e</b> | (2,-4)  | <b>f</b> | (-4,2)  |

**7** Find the (x,y) change to go from point A to point B on the diagram

|          |         |          |         |
|----------|---------|----------|---------|
| <b>a</b> | (-3,-5) | <b>b</b> | (-3,-6) |
| <b>c</b> | (6,-3)  | <b>d</b> | (-2,-6) |
| <b>e</b> | (-3,-7) | <b>f</b> | (-6,-3) |