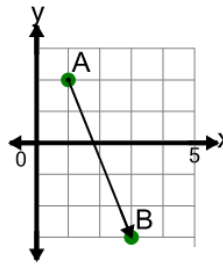




Math worksheet on 'Cartesian Grid - Vector Between Points (Angle) (Level 3)'. Part of a broader unit on 'Cartesian Grid Basics - Practice'

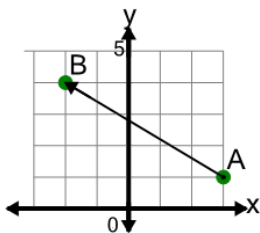
Learn online: [app.mobius.academy/math/units/cartesian\\_grid\\_practice/](http://app.mobius.academy/math/units/cartesian_grid_practice/)

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



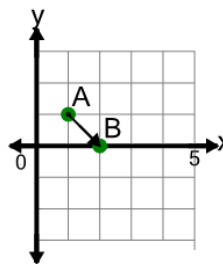
- |          |         |          |        |
|----------|---------|----------|--------|
| <b>a</b> | (2,-5)  | <b>b</b> | (-5,2) |
| <b>c</b> | (-2,-5) | <b>d</b> | (2,-6) |
| <b>e</b> | (3,-5)  | <b>f</b> | (2,-4) |

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



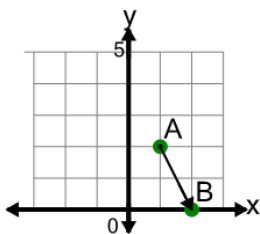
- |          |        |          |         |
|----------|--------|----------|---------|
| <b>a</b> | (-4,3) | <b>b</b> | (-5,4)  |
| <b>c</b> | (-5,2) | <b>d</b> | (-5,3)  |
| <b>e</b> | (-6,3) | <b>f</b> | (-5,-3) |

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



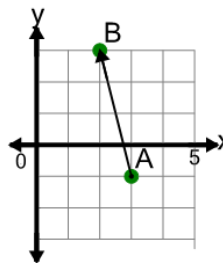
- |          |         |          |        |
|----------|---------|----------|--------|
| <b>a</b> | (-1,-1) | <b>b</b> | (0,-1) |
| <b>c</b> | (1,-2)  | <b>d</b> | (2,-1) |
| <b>e</b> | (1,-1)  | <b>f</b> | (1,1)  |

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



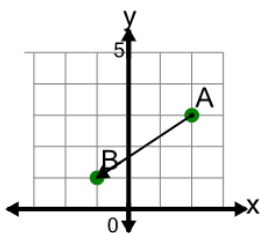
- |          |         |          |         |
|----------|---------|----------|---------|
| <b>a</b> | (-2,-1) | <b>b</b> | (1,-2)  |
| <b>c</b> | (1,-1)  | <b>d</b> | (-1,-2) |
| <b>e</b> | (0,-2)  | <b>f</b> | (2,1)   |

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



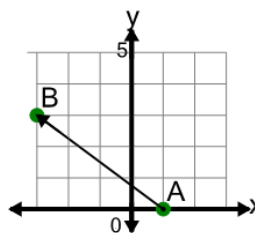
- |          |        |          |         |
|----------|--------|----------|---------|
| <b>a</b> | (-1,4) | <b>b</b> | (4,1)   |
| <b>c</b> | (-1,5) | <b>d</b> | (-1,-4) |
| <b>e</b> | (0,4)  | <b>f</b> | (4,-1)  |

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



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

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



- |          |        |          |         |
|----------|--------|----------|---------|
| <b>a</b> | (-5,3) | <b>b</b> | (-4,-3) |
| <b>c</b> | (3,4)  | <b>d</b> | (-4,3)  |
| <b>e</b> | (3,-4) | <b>f</b> | (-4,2)  |