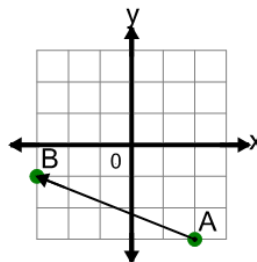




Math worksheet on 'Cartesian Grid - Vector Between Points (Angle) (Level 4)'. Part of a broader unit on 'Cartesian Grid Basics - Practice'

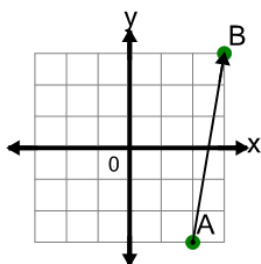
Learn online: [app.mobius.academy/math/units/cartesian\\_grid\\_practice/](http://app.mobius.academy/math/units/cartesian_grid_practice/)

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



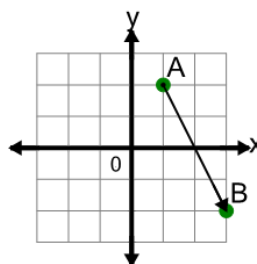
- |                     |                    |
|---------------------|--------------------|
| <b>a</b><br>(-5,3)  | <b>b</b><br>(-4,2) |
| <b>c</b><br>(-5,1)  | <b>d</b><br>(5,2)  |
| <b>e</b><br>(-2,-5) | <b>f</b><br>(-5,2) |

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



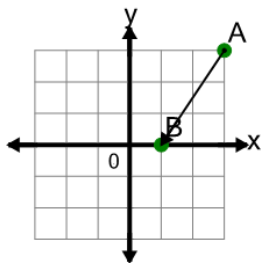
- |                    |                    |
|--------------------|--------------------|
| <b>a</b><br>(1,6)  | <b>b</b><br>(1,5)  |
| <b>c</b><br>(1,-6) | <b>d</b><br>(1,7)  |
| <b>e</b><br>(-1,6) | <b>f</b><br>(-6,1) |

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



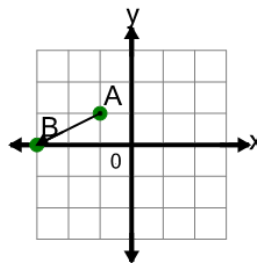
- |                     |                     |
|---------------------|---------------------|
| <b>a</b><br>(4,2)   | <b>b</b><br>(-2,-4) |
| <b>c</b><br>(-4,-2) | <b>d</b><br>(3,-4)  |
| <b>e</b><br>(2,-4)  | <b>f</b><br>(2,-3)  |

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



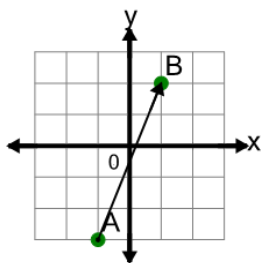
- |                     |                     |
|---------------------|---------------------|
| <b>a</b><br>(-2,3)  | <b>b</b><br>(-1,-3) |
| <b>c</b><br>(-2,-3) | <b>d</b><br>(-2,-2) |
| <b>e</b><br>(2,-3)  | <b>f</b><br>(3,-2)  |

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



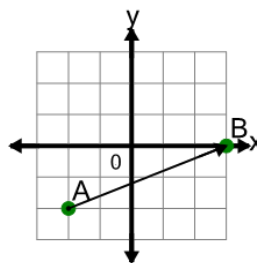
- |                     |                     |
|---------------------|---------------------|
| <b>a</b><br>(-1,-2) | <b>b</b><br>(-2,-1) |
| <b>c</b><br>(-1,-1) | <b>d</b><br>(2,-1)  |
| <b>e</b><br>(-3,-1) | <b>f</b><br>(-2,1)  |

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



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

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



- |                    |                    |
|--------------------|--------------------|
| <b>a</b><br>(2,5)  | <b>b</b><br>(5,3)  |
| <b>c</b><br>(5,1)  | <b>d</b><br>(5,2)  |
| <b>e</b><br>(-5,2) | <b>f</b><br>(2,-5) |