**Multiple Choice**

|  |  |
| --- | --- |
| **1.** | Which ordered pair locates a point in **quadrant IV?** |
|  | **a.)** $\left(0,1\right)$ | **b.)** $\left(1,0\right)$ |
|  | **c.)** $\left(0,0\right)$ | **d.)** $\left(1,-1\right)$ |

|  |  |
| --- | --- |
| **2.** | Which ordered pair locates a point in **quadrant I?** |
|  | **a.)** $\left(0,1\right)$ | **b.)** $\left(4,1\right)$ |
|  | **c.)** $\left(-4,1\right)$ | **d.)** $\left(4,0\right)$ |

|  |  |
| --- | --- |
| **3.** | Which ordered pair locates a point on the y-axis? |
|  | **a.)** $\left(0,1\right)$ | **b.)** $\left(4,1\right)$ |
|  | **c.)** $\left(-4,1\right)$ | **d.)** $\left(4,0\right)$ |

**4. Graph each point on a coordinate plane and find the line segment lengths.**

|  |  |
| --- | --- |
|  | $B \left(-3,4\right)$$and C (3,4) $ |
|  | $$ y $$$ $**5** **4**$ $ **3****2**$ $  **1**$ x$ **0 1 2 3 4 5****-5 -4 -3 -2 -1****-2**$ $**-3****-4****-5** |  |

**5. Graph each point on a coordinate plane and find the area of the figure.**

|  |  |
| --- | --- |
|  | $T\left(-4,2\right) $$ R(3,2) L\left(-4,-2\right) P(3,-2)$ |
|  | $$ y $$$ $**5** **4** **3**$ $**2** **1**$ x$**-5 -4 -3 -2 -1****0 1 2 3 4 5****-2**$ $**-3**$ $**-4****-5** |  |  |

**ANSWERS**

**Multiple Choice**

|  |  |
| --- | --- |
| **1.** | Which ordered pair locates a point in **quadrant IV?** |
|  | **a.)** $\left(0,1\right)$ | **b.)** $\left(1,0\right)$ |
|  | **c.)** $\left(0,0\right)$ | **d.)** $\left(1,-1\right)$ |

|  |  |
| --- | --- |
| **2.** | Which ordered pair locates a point in **quadrant I?** |
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**4. Graph each point on a coordinate plane and find the line segment lengths.**

|  |  |
| --- | --- |
|  | $B \left(-3,4\right)$$and C (3,4) $ |
|  | $$ y $$$ $**5** **4**$ B C $ **3****2** **1**$ x$ **0 1 2 3 4 5****-5 -4 -3 -2 -1****-2**$ $**-3****-4****-5** | $\overbar{BC}$ **is horizontal**$$\overbar{BC}=\left|difference of x-coordinates\right|$$$$\overbar{BC}=\left|-1-(-5)\right|=\left|-1+5\right|=4$$$$\overbar{BC}=4 units$$ |

**5. Graph each point on a coordinate plane and find the area of the figure.**

|  |  |
| --- | --- |
|  | $T\left(-4,2\right) $$ R(3,2) L\left(-4,-2\right) P(3,-2)$ |
|  | $$ y $$$ $**5** **4**$ T R$ **3****2** $ x$  **1** **0 1 2 3 4 5****-5 -4 -3 -2 -1****-2**$ $**-3**$$ L P$$**-4****-5** | $\overbar{TR}$ **is horizontal**$$\overbar{TR}=\left|difference of x-coordinates\right|$$$$\overbar{TR}=\left|3-(-4)\right|=\left|3+4\right|=7$$$$\overbar{TR}=7 units$$$\overbar{LT}$ **is vertical**$$\overbar{LT}=\left|difference of y-coordinates\right|=$$$$\overbar{LT}=\left|-2-2\right|=\left|-4\right|=4$$$$\overbar{LT}=4 units$$**Rectangle**$$A=\overbar{TR}\*\overbar{LT}$$$$A=7 units\*4 units$$$$A=28 units^{2}$$ |