ALGEBRA I ACtivity 7: Transformations in the Coordinate Plane Tlalgebra.com



| Set up Plot 2 to graph the polygon shifted 3 units to the right．Press 2nd $Y=2$ ．Turn the plot On and select ＂connected scatter plot．＂While on top of Xlist，press 2nd STAT to access the names of all the lists． |  |
| :---: | :---: |
| Select TR3 by pressing the number next to it or by going down to it and pressing ENTER． |  |
| This will identify TR3 as the Xlist．The $y$－coordinates will not change，so L2 will remain the Ylist． |  |
| Press GRAPH． |  |
| Create other lists using operations on the original $x$－ and $y$－coordinates．To name a new list press STAT ENTER．First arrow up to the top of TR3．Then right arrow to reveal a new unnamed list． |  |
| Follow the steps outlined previously to name the list TD5，meaning translate down 5 units． |  |




