

Plot the following coordinates on your grid, joining them as you go. What shapes do they make?

1. $(-6,2)$ $(-6,5)$ $(-1,6)$ $(-6,2)$ - Triangle
2. $(3,3)$ $(5,6)$ $(7,3)$ $(5,3)$ $(3,3)$ – Equilateral triangle
3. $(-2,8)$ $(-2,13)$ $(3,14)$ $(3,9)$ $(-2,8)$ - Parallelogram
4. A square has the coordinates of $(4,9)$ $(4,12)$ $(7,12)$ $(7,9)$. Draw this square. What would the new coordinates be if you translated it 6 squares right? – $(10,15)$ $(10,18)$ $(13,18)$ $(13,15)$
5. A triangle has the coordinates of $(7,8)$ $(5,11)$ $(9,11)$. Draw this triangle. What would the new coordinates be if you translated it 5 squares down? $(2,3)$ $(0,6)$ $(4,6)$
6. A square has the coordinates of $(2,7)$ $(2,3)$ $(6,3)$ $(6,7)$. Draw this square. What would the new coordinates be if you translated this square from this position in these ways? Write the new coordinates.
 - a) 6 points left – $(-4,7)$ $(-4,3)$ $(0,3)$ $(0,7)$
 - b) 6 points down – $(2,1)$ $(2,-3)$ $(6,-3)$ $(6,1)$
 - c) 5 points right and 5 points down – $(7,2)$ $(7,-2)$ $(11,-2)$ $(11,2)$

