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## Distance Formula - Triangles

1) Show that the points $A(7,5), B(2,3)$ and $C(6,-7)$ are the vertices of a right triangle.
2) Prove that the points
3) Show that the points


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4) Show that the points $\mathrm{J}(1,1), \mathrm{K}(-1,-1)$ and $\mathrm{L}(-\sqrt{3}, \sqrt{3})$ form an equilateral triangle.
