**Lesson element 8.04a Properties of a triangle**

Below are 15 different descriptions of lines or coordinates that might form triangles.

Cut up all of the below into 15 individual cards and give them to students.

Can students identify which of these are triangles and which ones are not?

Can students identify which of the triangles are right-angled triangles and which ones are not?

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| --- | --- | --- |
| Not drawn to scale  | Not drawn to scale  |  Lengths of sides:7 cm24 cm25 cm |
| Not drawn to scale  | Not drawn to scale  |  Lengths of sides:7 mm9 mm11 mm |
| Lengths of sides:37 cm11 cm35 cm | Lengths of sides:5 cm4 cm10 cm | Vertices:(1, 2)(1, 5)(5, 5) |
|  Vertices: (3, 1)(5, 3)(0, 4) | Vertices: (1, 1)(3, 2)(3, 6) | Vertices: (1, 2)(3, 0)(3, 4) |
| Vertices: (1, 0)(-1, 0)(-1, 4) | Lengths of sides:9 m40 m42 cm | Lengths of sides:15 cm8 cm17 cm |