Equation of a Circle

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Centre $(0, 0)$ | Centre $(3, 4)$ | Centre $(-1, 5)$ | Centre (\_\_\_, \_\_\_) |
| Radius $4$ |  |  |  |  |
| Radius $6$ |  |  |  |  |
| Radius \_\_\_ |  |  | $$(x+1)²+(y–5)²=49$$ |  |
| Radius $5$ |  |  |  | $$(x+2)²+(y+1)²=25$$ |
| Radius \_\_\_ | $$x²+y²=1$$ |  |  |  |

**Extension**: Can you sketch these circles? Make sure your axes are an appropriate size ☺

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