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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