**An important periodic graph**

Plot the following graph by calculating each point and completing the table.

Do not check the graph on your calculator until you’ve completed the hand-drawn version.

Work out a suitable scale to make the graph take up most of the grid below.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *x* | 0° | 30° | 45° | 60° | 90° | 120° | 135° | 150° | 180° |
| *y* |  |  |  |  |  |  |  |  |  |
| *x* | 180° | 210° | 225° | 240° | 270° | 300° | 315° | 330° | 360° |
| *y* |  |  |  |  |  |  |  |  |  |
| *x* | 360° | 390° | 405° | 420° | 450° | 480° | 495° | 510° | 540° |
| *y* |  |  |  |  |  |  |  |  |  |
| *x* | 540° | 570° | 585° | 600° | 630° | 660° | 675° | 690° | 720° |
| *y* |  |  |  |  |  |  |  |  |  |

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**An important periodic graph**

Plot the following graph by calculating each point and completing the table.

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Work out a suitable scale to make the graph take up most of the grid below.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| *y* |  |  |  |  |  |  |  |  |  |

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