Graphing Ellipses Worksheet: Center, Axes, and Foci

Original task 1 / independent drawing and calculation

Task 1

Graph (x + 1)^2 / 16 + (y - 3)^2 / 4 = 1. State center, major and minor axis lengths, vertices, co-vertices, and foci.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Graphing Ellipses Worksheet: Center, Axes, and Foci

Original task 2 / independent drawing and calculation

Task 2

Graph (x - 4)^2 / 9 + (y + 2)^2 / 36 = 1. State center, major and minor axis lengths, vertices, co-vertices, and foci.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Graphing Ellipses Worksheet: Center, Axes, and Foci

Original task 3 / independent drawing and calculation

Task 3

Graph x^2 / 49 + (y - 1)^2 / 25 = 1. State center, major and minor axis lengths, vertices, co-vertices, and foci.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Graphing Ellipses Worksheet: Center, Axes, and Foci

Original task 4 / independent drawing and calculation

Task 4

Graph (x + 3)^2 / 4 + (y - 5)^2 / 64 = 1. State center, major and minor axis lengths, vertices, co-vertices, and foci.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.