| Problem 1.1 |
|-------------|
|-------------|

| 0.0/3.0 | points | (ungraded |
|---------|--------|-----------|
| | | |

0.0/3.0 points (ungraded)
Provide a geometric desctiption of the described sets in the complex plane and derive it geometrically and algebraically.

| Show all posts | Hide Discussion Add a Post |
|--|-----------------------------|
| Submit You have used 0 of 6 attempts Discussion | Hide Discussion |
| | |
| | |
| Find its radius | |
| Find its radius | |
| Find its radius | |
| | |
| | |
| | |
| B) Show that this equality ${ m Im}\ rac{1}{z}=1$ describes a circle. Find its center (a complex number) | |
| | |
| Find its larger semiaxis | |
| | |
| | |
| 2) Show that this equality $ z-4i + z+4i =10$ describes an ellipse. Find its center (a complex number) | |
| | |
| | |
| Find its area (use pi for π) | |
| | |
| | |
| ind its center (a complex number) | |
|) Show that this inequality $2 \leq z-i \leq 4$ describes an annulus. Find its center (a complex number) | |