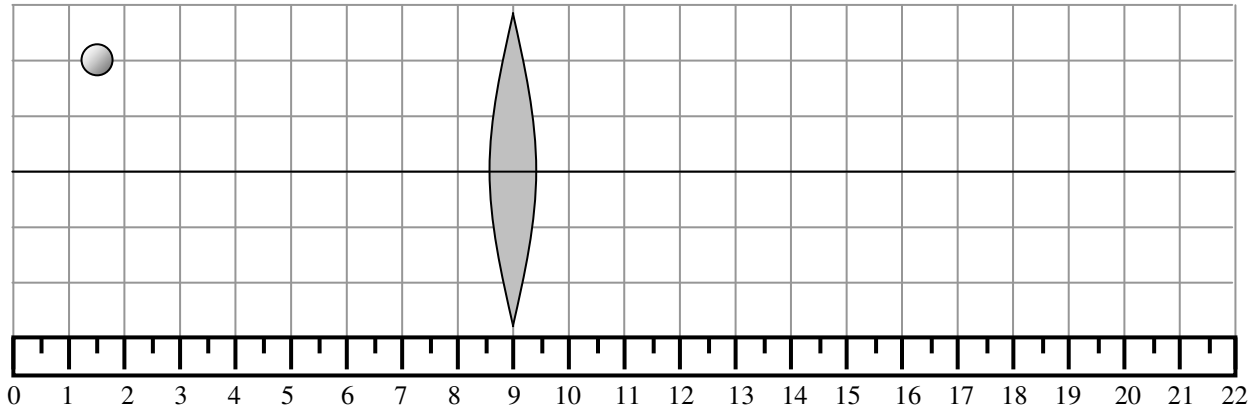


Quiz #3

Name: _____

A thin convex lens has a focal length of $f = +4$ cm. The ruler shown is marked in cm. A marble is placed at the location shown. All answers must include a sign, a value, and units. You may use a calculator and/or a ruler.

- What is:
- The object position? _____
 - The object distance? _____
 - The lens position? _____
 - The image distance? _____
 - The image position? _____



A different thin convex lens has a focal length of $f = +6$ cm. A new marble is placed at the location shown. All answers must include a sign, a value, and units. You may use a calculator and/or a ruler.

- What is:
- The object position? _____
 - The object distance? _____
 - The lens position? _____
 - The image distance? _____
 - The image position? _____

