



**Focal length:** Distance from optical center of lens to focal plane when focused at infinity.

4. What is the focal length of your lens if it's "fixed", or has a set focal length.?

or

What is the focal length of your lens if it's a variable Zoom lens? (10) \_\_\_\_\_

5. Find the focusing distance scale. This tells you how far away something is once you've focused on an object. Write the numbers in feet (not meters) on your lens barrel below. (10)

### Aperture

Some normal fstop numbers:

**1.2    1.4    2    2.8    4    5.6    8    11    16    22    32    45**  
**64**

6. What is the largest aperture on your lens? (5)

7. What is the smallest aperture on your lens? (5)

8. If I have a shutter speed of  $1/250^{\text{th}}$  of a second and an aperture of f11, what would be the equivalent exposure if I changed the shutter speed to  $1/1000^{\text{th}}$  of a second? (20)