

MATH 358 Assignment 4
Due in class on Friday February 14.

One hint is that it's important that you pay attention to the parameter space Ω .

- Page 425 #2
- Page 425 #3
- Page 425 #5
- Page 425 #8
- Page 425 #9
- Page 425 #10
- Page 425 #11
- Page 442 #22
- Page 442 #23

Hint for #10: consider two separate cases. In the first, suppose that n is odd to find $\hat{\theta}_{MLE}$. You may find it useful to draw out a number line showing all of the observations x_1, \dots, x_n in order, and consider what happens to $\sum |x_i - \theta|$ as you move θ around. Then, consider the case where n is even.