

**MATH 113: DISCRETE STRUCTURES**  
**"READING" QUESTIONS FOR FRIDAY WEEK 9**

**"Reading" assignment.** Watch the fifth probability lecture video on Youtube (distributed via email).

*Problem 1.* A weighted six-sided die lands with a 1 up 25% of the time. What is the probability of getting a 1 exactly twice if you roll the die 5 times?

*Problem 2.* For the same die as in problem 1, what is the probability of rolling your first 1 on your fifth roll?