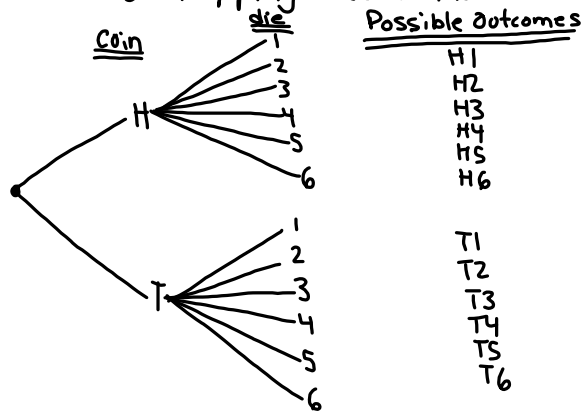


7.6 Tree Diagrams

May 4/18

example: Use a tree diagram to list the sample space (possible outcomes) of flipping a coin and rolling a six sided die.



- A) How many possible outcomes? $2 \times 6 = 12$
- B) $P(\text{H and even number}) = \frac{3 \div 3}{12 \div 3} = \frac{1}{4}$
- C) $P(\text{H or T, and \# greater than 5}) = \frac{2 \div 2}{12 \div 2} = \frac{1}{6}$

		Die					
		1	2	3	4	5	6
Coin	H	H1	H2	H3	H4	H5	H6
	T	T1	T2	T3	T4	T5	T6

