

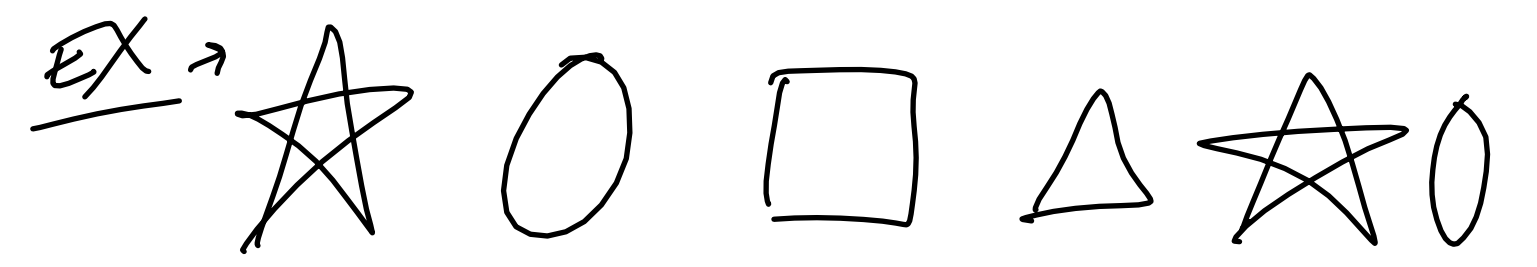
Inductive Reasoning

- reasoning based on patterns
- conjecture → conclusion that is reached
 - ↳ need enough data to make conclusion
- counterexample → proves conjecture false

EX → 10, 20, 30, 40, ...
50, 60, 70

EX → Washington, Adams, Jefferson, ...
Madison, Monroe, JQ Adams, ...

EX → O, T, T, F, F, S, ...
S, E, N, T, E



What is 28th shape?

$$\frac{28}{4} = 7 R 0 \rightarrow \text{triangle}$$

What is 102nd shape?

$$\frac{102}{4} = 25 R 2 \rightarrow \text{circle}$$

HW: p. 85 → 8-48 mult. 4