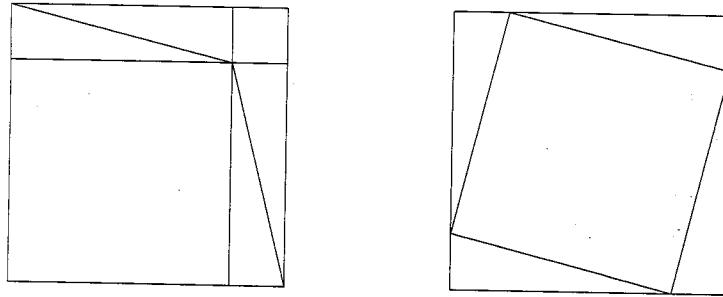


- 1) (1 pt) Assuming the figures below are in scale with each other, what important mathematical theorem do they prove?



- 2) (3 pt) Solve the equation

$$x^3 - 3x^2 - x + 3 = 0.$$

Be sure to show all steps.