

5-4

Indirect Proofs

Indirect Proof

(Proof by Contradiction)

Assume what you are trying to prove is false

STATE THE ASSUMPTION FOR STARTING AN INDIRECT PROOF

1) If 6 is a factor of n , then 2 is a factor of n .

2) Angle 3 is an obtuse angle

3) $x > 5$

4) Triangle XYZ is an equilateral triangle