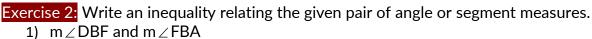
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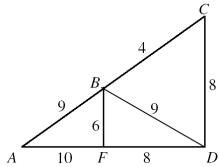
Triangle Inequality

Exercise 1: Determine how each pair of angle measures is related.

- 1) $m \angle ADC$ and $m \angle ADB$
- 2) $m \angle BFA$ and $m \angle DFB$



- 2) AB,FD
- 3) $m \angle FDB$ and $m \angle BDC$



5

3

B

Exercise 3: Write an indirect proof to show: Given ∆ABC with side lengths 8, 10, and 12 as shown

Prove: $m \angle C > m \angle A$

