Proof Practice Test 1

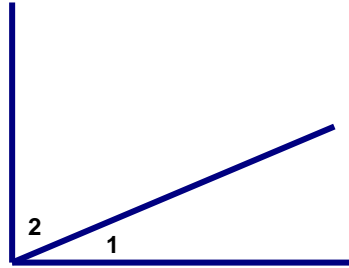**Name** _____

On your own sheet of clean notebook paper, do a 2-column proof for each problem below.

Proof 1

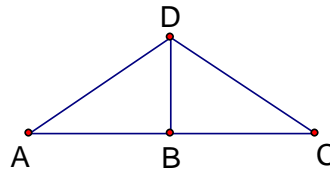**Given**: $\angle 1$ and $\angle 2$ are complementary angles.
$\angle 2 = 30°$

Prove: $\angle 1 = 60°$

Proof 2

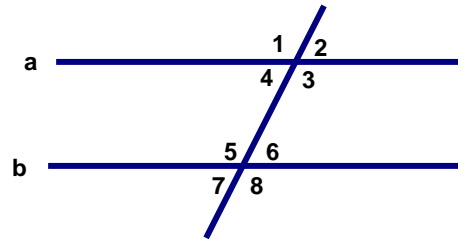Given: B is the midpoint of $\overline{AC}$. $\overline{DB} \perp \overline{AC}$

Prove: $\angle A = \angle C$

Proof 3

Given: line a is parallel to line b

Prove: $\angle 1 = \angle 8$

Proof 4

Given: $\overline{BD} \cong \overline{CF}$
$\overline{DX} \cong \overline{XC}$
$\angle B \cong \angle F$

Prove: $\angle A = \angle E$