

2.6 – Geometric Proofs (Day 3)

EX 1) Given: X is the midpoint of \overline{AY} , Y is the midpoint of \overline{XB}

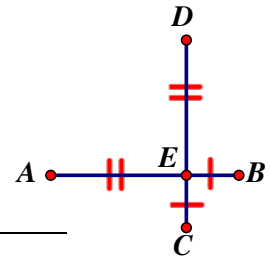
Prove: $\overline{AX} \cong \overline{YB}$



STATEMENTS	REASONS

EX 2) Given: $\overline{BE} \cong \overline{CE}$, $\overline{DE} \cong \overline{AE}$

Prove: $\overline{AB} \cong \overline{CD}$

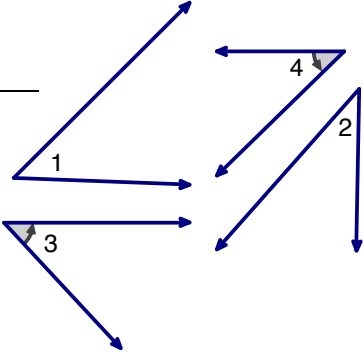


STATEMENTS	REASONS

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EX 3) Given: $\angle 1$ and $\angle 3$ are complementary, $\angle 2$ and $\angle 4$ are complementary,
 $\angle 3 \cong \angle 4$
 Prove: $\angle 1 \cong \angle 2$

STATEMENTS	REASONS



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EX 4) Given that $\overline{AC} \cong \overline{BD}$, prove that $\overline{AB} \cong \overline{CD}$.

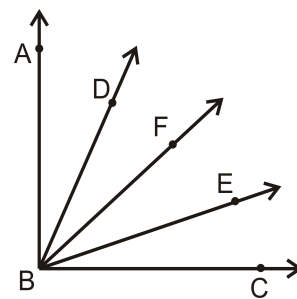


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EX 5) Given: \overrightarrow{BF} bisects $\angle ABC$, $\angle ABD \cong \angle EBC$

Prove: $\angle DBF \cong \angle FBE$



STATEMENTS

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