

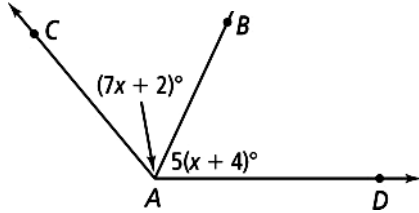
Additional Algebraic Proof Problems

Name: _____

1. Proof:

Given: \overline{AB} is the bisector of $\angle CAD$.

Prove: $x = 9$

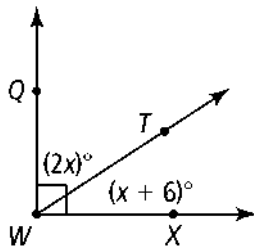


STATEMENTS	REASONS

2. Proof:

Given: $\angle QWT$ and $\angle TWX$ are complementary.

Prove: $x = 28$

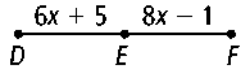


STATEMENTS	REASONS

3. Proof:

Given: E is the midpoint of \overline{DF} .

Prove: $DE = 23$

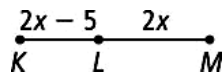


STATEMENTS	REASONS

4. Proof:

Given: $KM = 35$

Prove: $x = 10$

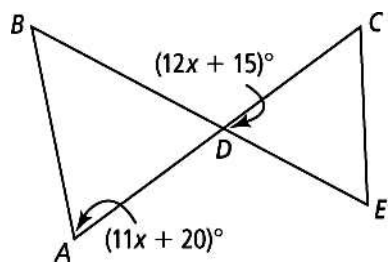


STATEMENTS	REASONS

5. Proof:

Given: $\angle A \cong \angle BDA$

Prove: $x = 5$



STATEMENTS	REASONS