

42°

138°

т

п

NYS COMMON CORE MATHEMATICS CURRICULUM

Problem Set

1. In the labeled figure on the right, prove that $m \parallel n$.

2. In the diagram on the right, prove that the sum of the angles marked by arrows is 360°.

a d c



Lesson 9: Date:

3. In the diagram at the right, prove that $\angle a + \angle d - \angle b = 180$.

Unknown Angle Proofs—Writing Proofs 8/10/13







7. In the labeled figure on the right, prove that $\overline{DC} \perp \overline{EF}$.





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