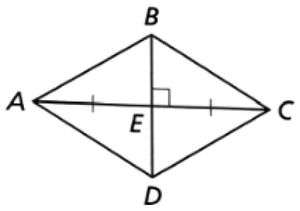
Use the diagram for Items 1 and 2.



1. Which of these congruence statements can be proved from the information given in the figure?

   (A) $\triangle AEB \cong \triangle CED$ (C) $\triangle ABD \cong \triangle BCA$

   (B) $\triangle BAC \cong \triangle DAC$ (D) $\triangle DEC \cong \triangle DEA$

2. What other information is needed to prove that $\triangle CEB \cong \triangle AED$ by the HL Congruence Theorem?

   (F) $\overline{AD} \cong \overline{AB}$ (H) $\overline{CB} \cong \overline{AD}$

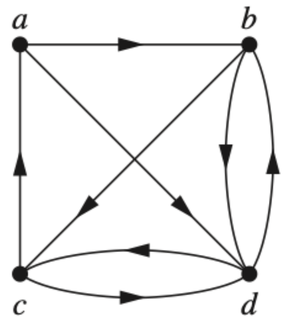
   (G) $\overline{BE} \cong \overline{AE}$ (J) $\overline{DE} \cong \overline{CE}$

Choose the correct Lewis structure for HCN.

- H − C = N
- H = C = N
- H − C ≡ N
- H − C − N

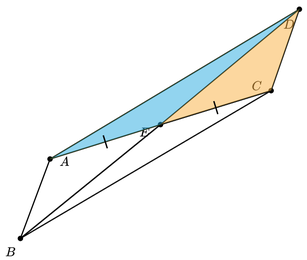
In Exercises 18–23 determine whether the directed graph shown has an Euler circuit. Construct an Euler circuit if one exists. If no Euler circuit exists, determine whether the directed graph has an Euler path. Construct an Euler path if one exists.

18.



In which of the following diagrams are triangles $\triangle DEC$ and $\triangle DEA$ congruent?

1



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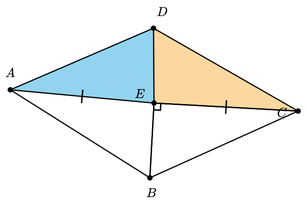

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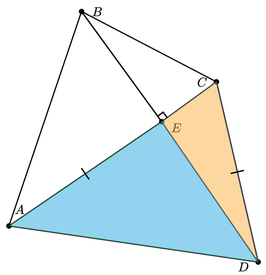

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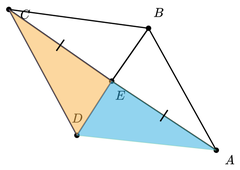
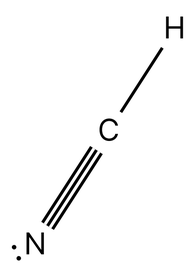


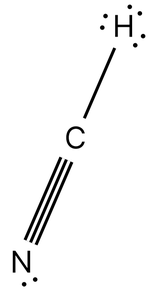
Check Answer

Choose the correct Lewis structure for HCN.

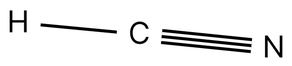
1



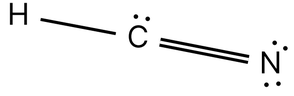
2



3



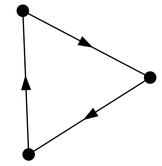
4



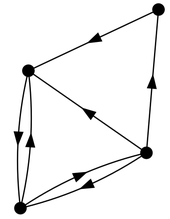
Check Answer

Which diagram has an Euler circuit?

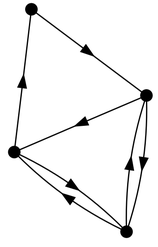
1



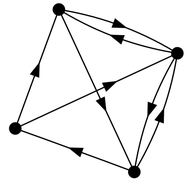
2



3



4



Check Answer