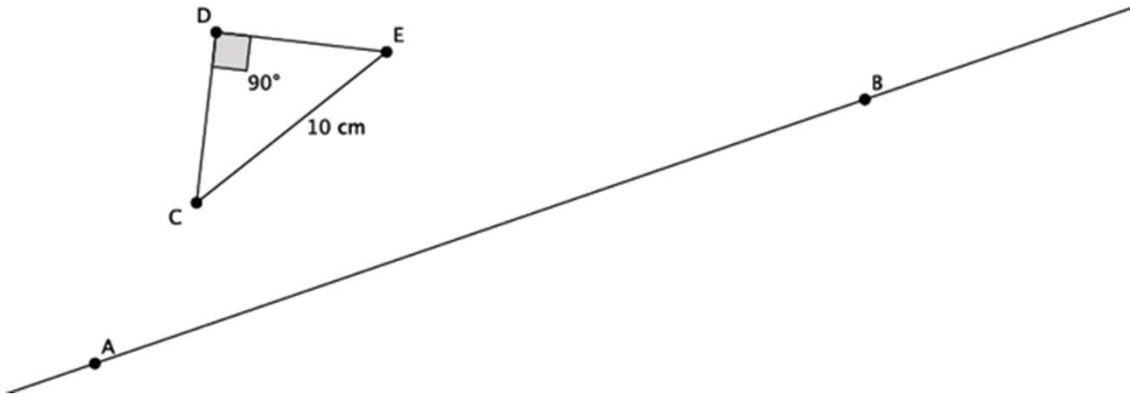


# Reflection Worksheets

1. Reflect  $\triangle CDE$  across line  $L_{AB}$ . Label the reflected image.

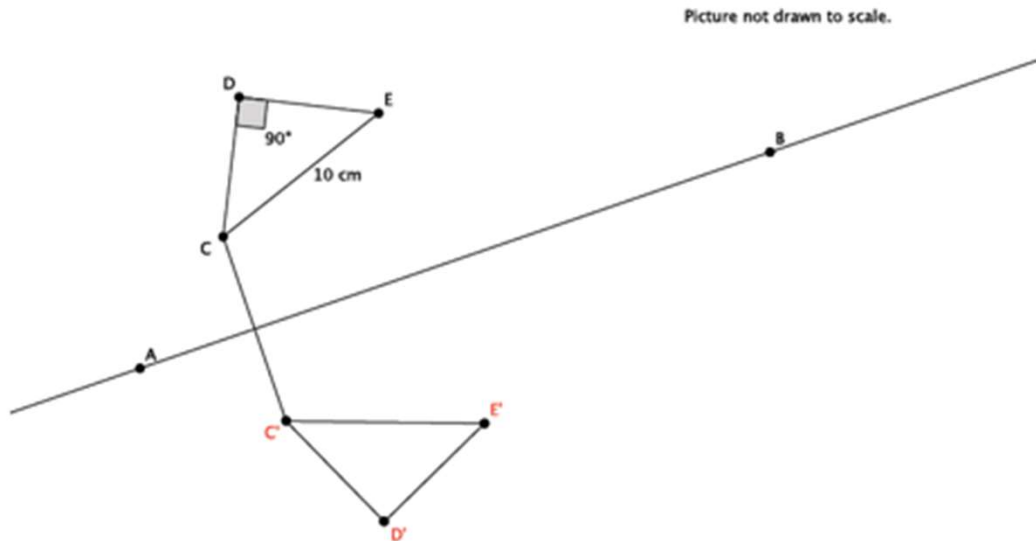
Picture not drawn to scale.



2. Use the diagram above to state the measure of  $\text{Reflection}(\angle CDE)$ . Explain.
3. Use the diagram above to state the length of segment  $\text{Reflection}(CE)$ . Explain.
4. Connect point  $C$  to its image in the diagram above. What is the relationship between line  $L_{AB}$  and the segment that connects point  $C$  to its image?

# Reflection Worksheets

1. Reflect  $\triangle CDE$  across line  $L_{AB}$ . Label the reflected image.



2. Use the diagram above to state the measure of  $\text{Reflection}(\angle CDE)$ . Explain.

*The measure of  $\text{Reflection}(\angle CDE)$  is  $90^\circ$  because reflections preserve degrees of measures of angles.*

3. Use the diagram above to state the length of segment  $\text{Reflection}(CE)$ . Explain.

*The length of  $\text{Reflection}(CE)$  is 10 cm because reflections preserve segment lengths.*

4. Connect point  $C$  to its image in the diagram above. What is the relationship between line  $L_{AB}$  and the segment that connects point  $C$  to its image?

The line of reflection bisects the segment that connects  $C$  to its image.