IF YOU GOT A LENGTH OF **20**, THEN SOLVE:

If $\overbar{BC}∥\overbar{B'C'}$ and$ \overbar{AC}=4, \overbar{CC'}=2$ and $\overbar{BC}=7$, find $\overbar{B'C'}$.



IF YOU GOT A LENGTH OF **10.5**, THEN SOLVE:

If $∡CFE≅∡CAB$, find $\overbar{AB}$.



IF YOU GOT A LENGTH OF **7.5**, THEN SOLVE:

 In $∆ABD$, $\overbar{DE}⊥\overbar{EC}$ and $\overbar{AD}⊥\overbar{AB}$, find the measure of $\overbar{AE}$.



IF YOU GOT A LENGTH OF **4**, THEN SOLVE:

Given $∆ACB$ with $\overbar{MN}∥\overbar{AB}$, find the length of $\overbar{MN}$.



IF YOU GOT A LENGTH OF **9** THEN SOLVE:

A stick 2 meters long is placed vertically at point B. The top of the stick is in line with the top of a tree as seen from point A, which is 3 m from the stick and 30 m from the tree. How tall is the tree?



**SCAVENGER HUNT WORKSPACE:**

* Use the space below to complete the 5 problems in the scavenger hunt. (You may need to re-draw diagrams)
* Answer the problem on each worksheet and find the answer on another worksheet in the room. (IF YOU DO NOT SEE YOUR ANSWER, CHECK YOUR WORK AGAIN!)
* Then answer that problem and repeat the process.
* If you end up in the same place you started, you have successfully completed the scavenger hunt!

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