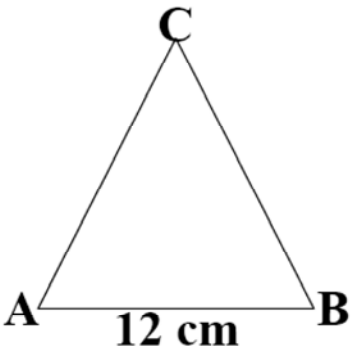
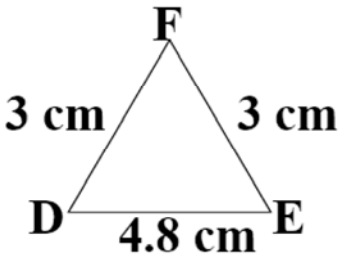
Solve for x to the nearest tenth.

1. $\frac{x+2}{5} = \frac{9}{x-2}$

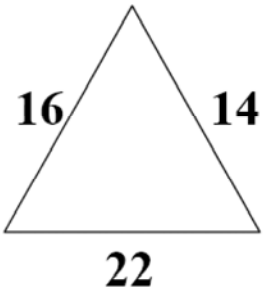
2. $\Delta ABC \sim \Delta DEF$. **Find BC.**

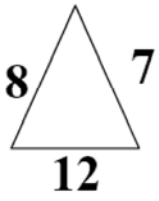




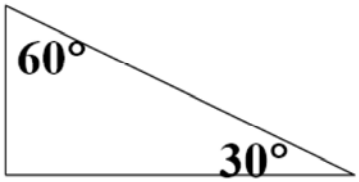
Are these figures similar? Write yes or no. Explain.

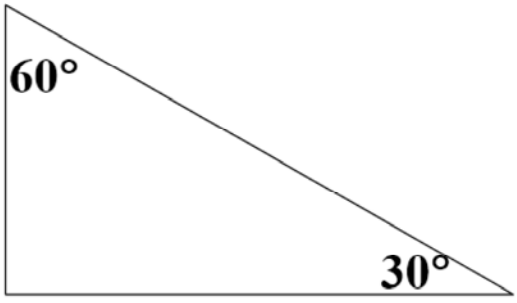
3.





4.

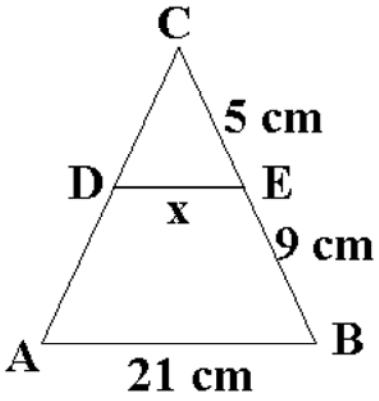




Solve for x to the nearest tenth.

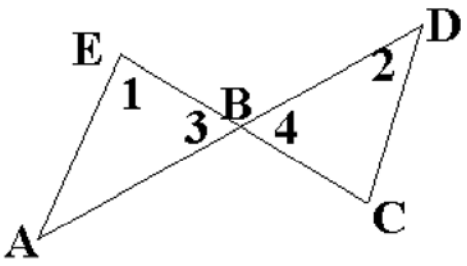
1. $\frac{2x+1}{3} = \frac{3x-2}{4}$

2. Find x to the nearest tenth, given $\overline{DE} \parallel \overline{AB}$

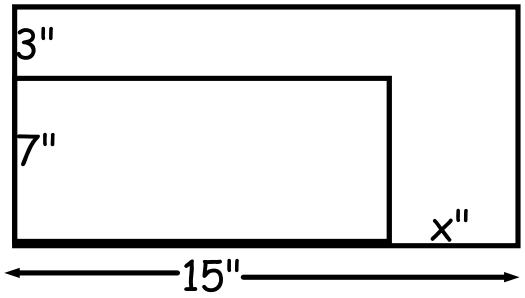


3. Given: $\angle 1 \cong \angle 2$

Prove: $\Delta AEB \sim \Delta CDB$



1. Given the following similar rectangles, solve for x.
(not drawn to scale)



2. Find x to the nearest tenth.(not drawn to scale)