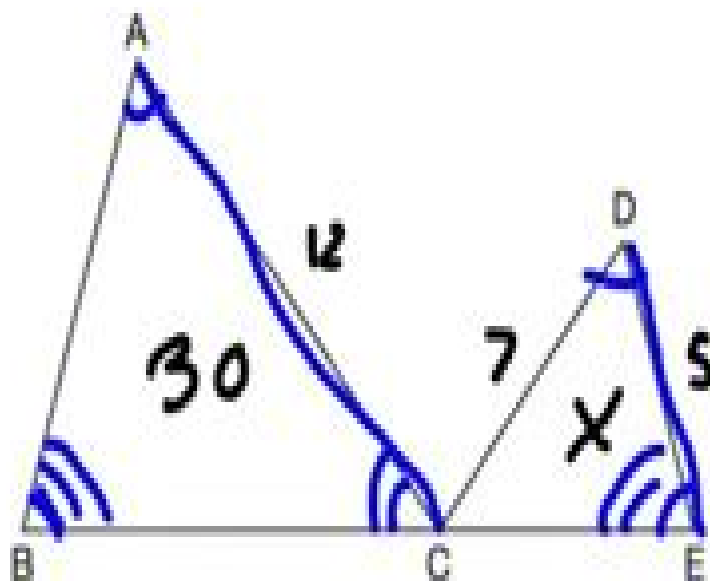
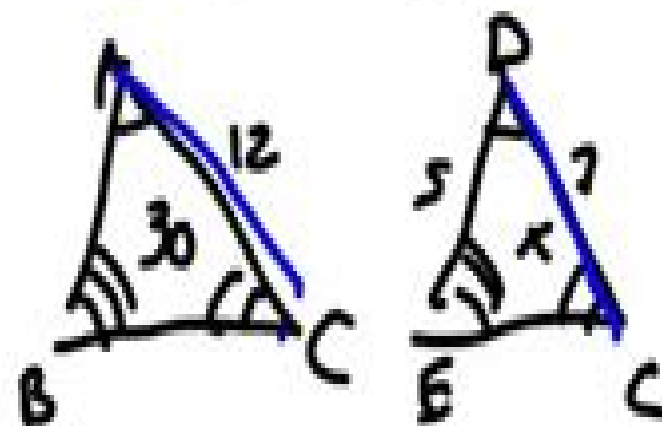


21 In the diagram below,  $\triangle ABC \sim \triangle DEC$ .



Level 3 - Similarity



If  $AC = 12$ ,  $DC = 7$ ,  $DE = 5$ , and the perimeter of  $\triangle ABC$  is 30, what is the perimeter of  $\triangle DEC$ ?

- (1) 12.5
- (2) 14.0
- (3) 14.8
- (4) 17.5

$$\frac{30}{x} = \frac{12}{5}$$

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**Marco Cascella**



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