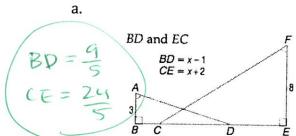
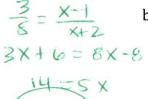
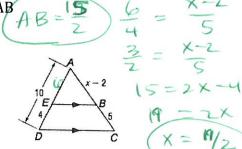
Geometry GT Quest Review

1. What are the postulate(s)/theorem(s) that provide shortcuts to proving triangle similarity? Name and describe them. AA Similarity post. SSS similarity

2. For the following, identify the similar triangles. Then find x and the measures of the indicated sides.



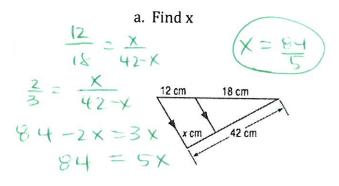




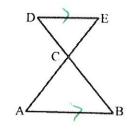
c. Find x and PO

- 3. Describe, in your own words, the Triangle proportionality Theorem and the Triangle Midsegment Theorem.
- 4. For the following, apply your knowledge of similar triangles, the triangle proportionality theorem and/or the triangle midsegment theorem to find x and the measure of the indicated sides.

b. Find x and JU



- 5. Prove the following.
- a.



Given:
$$\overline{AE}$$
; \overline{DB} ; $\overline{AB} \parallel \overline{DE}$

Prove: $\frac{DC}{AE} = \frac{DE}{AE}$

Prove: $\frac{DC}{BC} = \frac{DE}{BA}$

