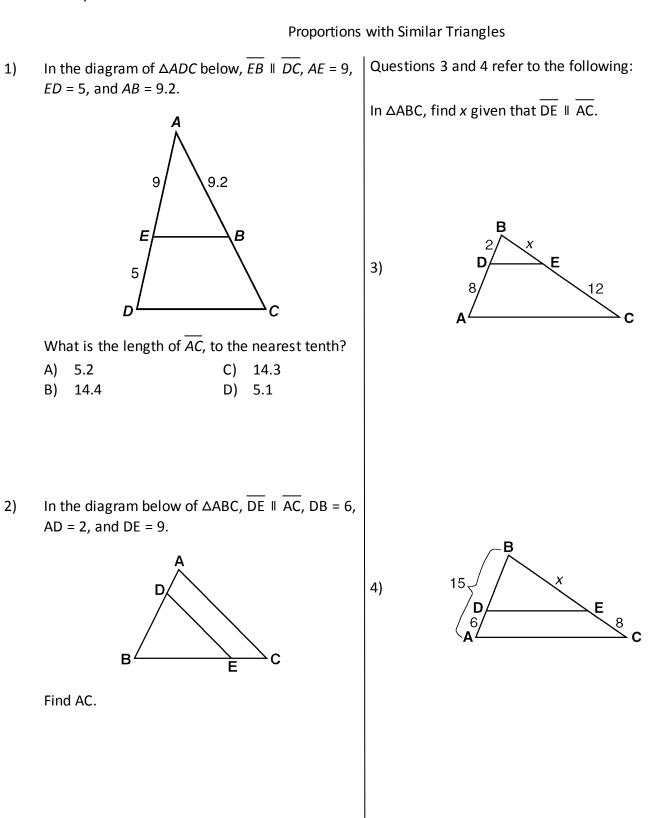
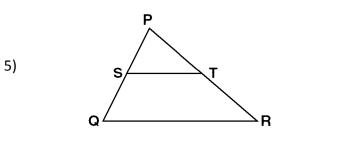
Name: _

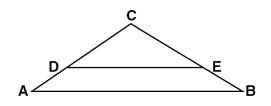
CC Geometry





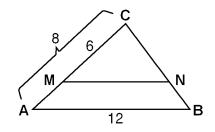
If $\overline{ST} \parallel \overline{QR}$, PQ = 10, SQ = 4, and PR = 5, find \overline{PT} . [Show all work.]

7) In the diagram below, $\overline{DE} \parallel \overline{AB}$.



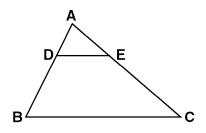
If CE = 3, CB = 5, and DE = 9, find AB.

6) In the accompanying diagram of $\triangle ABC$, $\overline{MN} \parallel \overline{AB}$, AC = 8, AB = 12, and CM = 6.



Find the length of MN.

8) In the accompanying diagram of $\triangle ABC$, DE || BC, AD = 3, AB = 9, and AE = 5.



Find EC.

- 1) C
- 2) 12
- 3) 3
- 4) 12
- 5) 3

SAMPLE WORK: Let
$$x = PT$$
, $PS = PQ - SQ = 10 - 4 = 6$, $\frac{x}{5} = \frac{6}{10}$, $10x = 30$, $x = 3$

- 6) 9
- 7) 15
- 8) 10