

Homework Check:

1. 18 cm

7.16 cm
8. 60 cm
9. $4\frac{4}{9}$ cm

5. 2.0 cm **10.** $\frac{a}{b} = \frac{p}{q}, \frac{a}{p} = \frac{b}{q}$

6.28

17. AB = 3 cm, BC = 7.5 cm

7.5 - Proportional Segments in parallel lines

7.5 Computer Investigation Parallel/Proportionality Conjecture: If a line parallel to one side of a triangle passes through the other two sides, then it divides the other two side proportionally. Conversely, if a line cuts two sides of a triangle proportionally, then it is parallel to the third side. Extended Parallel/Proportionality Conjecture: If two or more lines bass through two sides of a triangle parallel to the third side, then hey divide the two sides proportionally. k 1

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