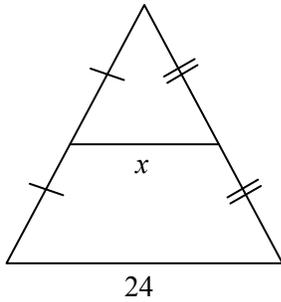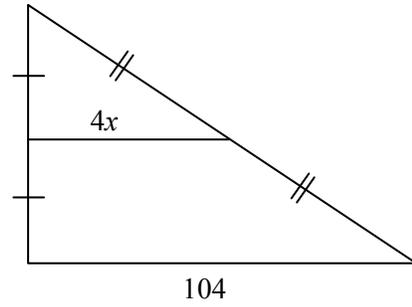1) The Triangle Midsegment Theorem states that in any triangle, a segment joining the midpoints of any two sides will be _____ to the third side and _____ its length.

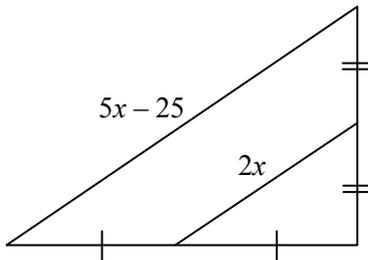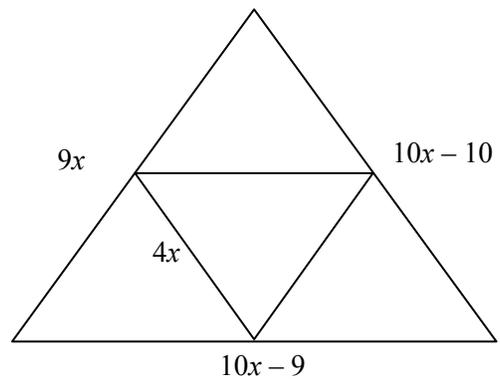**Use the Triangle Midsegment Theorem to find the value of *x*.**

2)

24

3)

$4x$

104

4)

$5x - 25$

$2x$

5)

$9x$

$10x - 10$

$4x$

$10x - 9$

Answer Key

1) Parallel, half
2) 12
3) 13
4) 25
5) 5