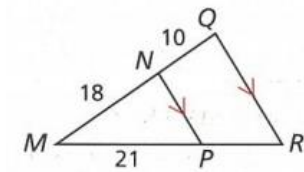


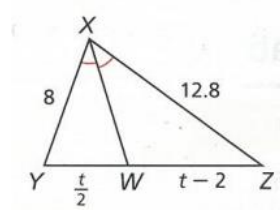
Period:

- ## Statements

5. Find PR.



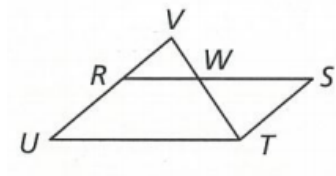
6. Find YW and WZ.



7. Write a two-column proof.

Given: parallelogram RSTU

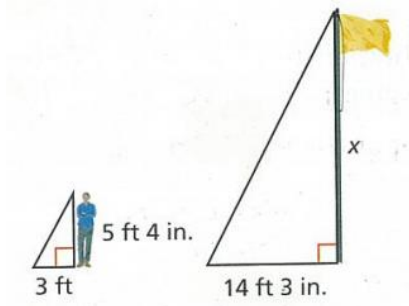
Prove: $\triangle RWV \sim \triangle SWT$



Statements

Reasons

8. To find the height of a flagpole, Casey measured her own shadow and the flagpole's shadow. Given that Casey's height is 5 ft 4 in, what is the height of the flagpole?



9. Figure A has an area of 4928 ft^2 and one of the side lengths is 88 ft. Figure B has an area of 77 ft^2 . Find the corresponding length of Figure B.

10. In general, if the scale factor between two figures is k , then the ratio of the perimeters is _____ and the ratio of the areas is _____.