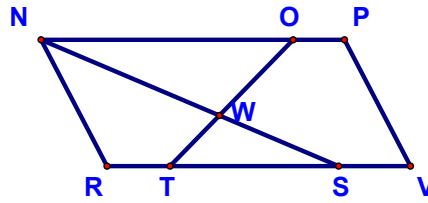


3.

Given: NPVR is a parallelogram

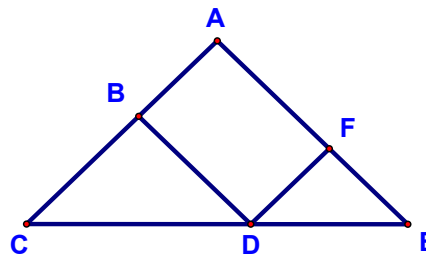


Prove: $\triangle NWO \sim \triangle SWT$

Statements	Reasons

4.

Given: $\overline{AC} \cong \overline{AE}$
 $\angle CBD \cong \angle FED$



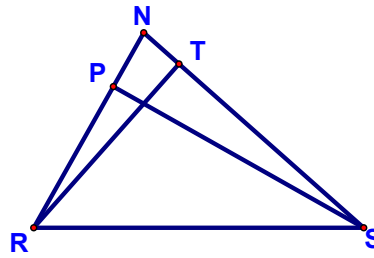
Prove: $\triangle BCD \sim \triangle FED$

Statements	Reasons

12.

Given: \overline{SP} is the altitude from S to \overline{NR}
 \overline{RT} is the altitude from R to \overline{NS}

Prove: $\triangle NRT \sim \triangle NSP$



Statements

Reasons

16.

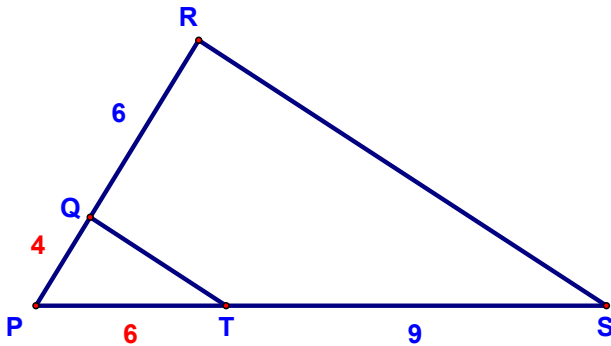
Indicate whether the statement is true Always, Sometimes, or Never (A, S, or N)

- a. If two triangles are similar, then they are congruent.
- b. If two triangles are congruent, then they are similar.
- c. An obtuse triangle is similar to an acute triangle.
- d. Two right triangles are similar.
- e. Two equilateral polygons are similar.
- f. Two equilateral triangles are similar.
- g. Two rectangles are similar if neither is a square.

19.

Given: Figure as shown

- a. Is $\triangle PQT \sim \triangle PRS$? Justify your reasoning.
- b. Is \overline{QT} parallel to \overline{RS} ? Justify your reasoning.



22.

If two of the six triangles below are selected at random, what is the probability that the two triangles are similar?

