

In $\triangle JPF$, angle J , side j , and side p are given.

- a) For each of the following SSA situations, determine how many solutions/triangles exist.
b) For any that create two triangles, find angle P in both triangles (angle P_1 and angle P_2)

1. $J = 42^\circ$, $p = 9$, $j = 7$
2. $J = 56^\circ$, $p = 10$, $j = 7$
3. $J = 13^\circ$, $p = 8$, $j = 3$
4. $J = 27^\circ$, $p = 4$, $j = 5$
5. $J = 125^\circ$, $p = 5$, $j = 11$
6. $J = 50^\circ$, $p = 6$, $j = 2$
7. $J = 110^\circ$, $p = 2$, $j = 4$
8. $J = 75^\circ$, $p = 8$, $j = 12$
9. $J = 38^\circ$, $p = 9$, $j = 6$