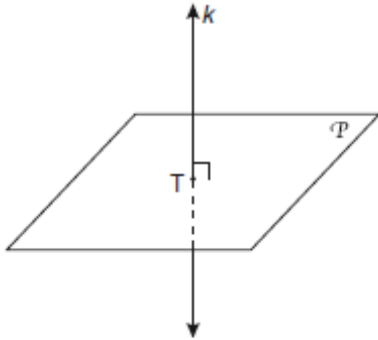


NAME: _____

G.G.7: Know and apply that if a line is perpendicular to a plane, then every plane containing the line is perpendicular to the given plane

1. 080914ge, P.I. G.G.7

In the diagram below, line k is perpendicular to plane \mathcal{P} at point T .



Which statement is true?

- [A] Only one line in plane \mathcal{P} will intersect line k .
- [B] All planes that intersect plane \mathcal{P} will pass through T .
- [C] Any point in plane \mathcal{P} also will be on line k .
- [D] Any plane containing line k is perpendicular to plane \mathcal{P} .

[1] D