

• Parallel & Perpendicular Relationship

Copyright (c) 2008 Young W. Lim.

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.2 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

Please send corrections (or suggestions) to youngwlim@hotmail.com.

This document was produced by using OpenOffice and Octave.

Young Won Lim 08년 10월 2일

# Three lines in space



### Geometry

З

## Three planes in space



4

#### Geometry

# Two lines and a plane in space



#### Geometry

# A line and two planes in space



### Geometry

6

# Parallel & Perpendicular Relationship

$$l||m, l||n \Rightarrow m||n$$
  $P||Q, P||R \Rightarrow Q||R$ 

 $l \perp P$ ,  $m \perp P \Rightarrow l \parallel m$   $l \perp P$ ,  $l \perp Q \Rightarrow P \parallel Q$ 

 $P \parallel Q$ ,  $P \perp R \Rightarrow Q \perp R$ 

 $l \| P$  ,  $l \bot Q \Rightarrow P \bot Q$ 

#### Geometry

#### References

[1] http://en.wikipedia.org/
[2] http://planetmath.org/
[3] "최상위수학", 디딤돌
[4] "센 수학", 좋은책 신사고
[5] "개념과 유형", 비상
[6] "해법 2000제", 천재교육