



Lines & Planes · Grade 12

Name _____ Date _____ Score _____ / 5

01 A line passes through A(5, -4) and B(-1, -2). Write its vector equation = _____

02 A line passes through A(-2, 3, 0) and B(-8, 6, -2). Write its vector equation = _____

03

A plane has normal vector $\vec{n} = \langle -3, 1, 4 \rangle$ and passes through P(-4, -1, -2). Write its scalar equation = _____

04

A plane has normal vector $\vec{n} = \langle 7, 2, 6 \rangle$ and passes through P(2, 6, 6). Write its scalar equation = _____

05 Line through P(2, -2), direction $\vec{m} = \langle -7, 0 \rangle$. Write its parametric equations = _____