**Summary:**

100000+ variations. Coordinate geometry.

**Question:**

a) Write down the equation of a line which is parallel to the *y*-axis and passes through the point 

b) Find the equation of the line that passes through  and has a gradient of .

c) Find the equation of the line passing through the point  and .

d) Find the equation of a line that is perpendicular to  and contains the point .

**Solution:**

a) 

b) 

c) 

d) 