A picture containing drawing

Description automatically generated**Parallel and Perpendicular Equations of Straight Line Graphs GREEN**

Calculate the equations for the graphs described below.

1) Parallel to and goes through .

2) Parallel to and goes through .

3) Parallel to and goes through .

4) Parallel to and goes through .

5) Parallel to and goes through .

Calculate the equations for the graphs described below.

6) Perpendicular to at .

7) Perpendicular to at .

8) Perpendicular to at .

9) Perpendicular to at .

10) Perpendicular to at .

A picture containing drawing

Description automatically generated**Parallel and Perpendicular Equations of Straight Line Graphs AMBER**

Calculate the equations for the graphs described below.

Parallel graphs have the same gradient. Use the given coordinate to substitute into to calculate the -intercept.

1) Parallel to and goes through .

2) Parallel to and goes through .

3) Parallel to and goes through .

4) Parallel to and goes through .

5) Parallel to and goes through .

Calculate the equations for the graphs described below.

Gradients of perpendicular graphs have a product of . Use the given coordinate to substitute into to calculate the -intercept.

6) Perpendicular to at .

7) Perpendicular to at .

8) Perpendicular to at .

9) Perpendicular to at .

10) Perpendicular to at .

A picture containing drawing

Description automatically generated**Parallel and Perpendicular Equations of Straight Line Graphs RED**

Calculate the equations for the graphs described below.

Parallel graphs have the same gradient. Use the given coordinate to substitute into to calculate the -intercept.

1) Parallel to and goes through .

Rearrange to calculate c.

2) Parallel to and goes through .

3) Parallel to and goes through .

4) Parallel to and goes through .

5) Parallel to and goes through .

Calculate the equations for the graphs described below.

Gradients of perpendicular graphs have a product of . Use the given coordinate to substitute into to calculate the -intercept.

6) Perpendicular to at .

Rearrange to calculate c.

7) Perpendicular to at .

8) Perpendicular to at .

9) Perpendicular to at .

10) Perpendicular to at .