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True or False?

**Parallel and Perpendicular Lines**

For each statement, circle the correct response.

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | The lines with equations and are parallel to each other | True | False |
|  |  |  |  |
| **2** | Two straight lines are parallel if their gradients multiply to give | True | False |
|  |  |  |  |
| **3** | The point lies on the line with equation | True | False |
|  |  |  |  |
| **4** | The lines with equations and  are perpendicular to each other | True | False |
|  |  |  |  |
| **5** | Straight lines with gradients and meet at | True | False |
|  |  |  |  |
| **6** | The points and lie on the line with equation | True | False |
|  |  |  |  |
| **7** | The lines with equations and  are perpendicular to each other | True | False |
|  |  |  |  |
| **8** | The lines with equations and  are parallel to each other. | True | False |
|  |  |  |  |
| **9** | The straight lines with equations and are perpendicular to each other | True | False |
|  |  |  |  |
| **10** | The line with equation is parallel to the line with equation | True | False |
|  | | | |
| **11** | The lines with equations and  are perpendicular to each other and meet at the point | True | False |