|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. | | 2. | | 3. | |
| ***m =*** | ***b =*** | ***m =*** | ***b =*** | ***m =*** | ***b =*** |
| Equation of line: | | Equation of line: | | Equation of line: | |
| 4. | | 5. | | 6. | |
| ***m =*** | ***b =*** | ***m =*** | ***b =*** | ***m =*** | ***b =*** |
| Equation of line: | | Equation of line: | | Equation of line: | |
| 7. | | 8. | | 9. | |
| ***m =*** | ***b =*** | ***m =*** | ***b =*** | ***m =*** | ***b =*** |
| Equation of line: | | Equation of line: | | Equation of line: | |

|  |  |  |
| --- | --- | --- |
| 1. | 2. | 3. |
| 4. | 5. | 6. |
| 7. | 8. | 9. |
| 10. | 11. | 12. |

***Place the letter of the correctly matching line in the box beside each equation.***

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | |  | |  | |  | | 2. |  |  |  |
| i | |  | |  | |  | i |  |  |  |
| ii | |  | |  | |  | ii |  |  |  |
| iii | |  | |  | |  | iii |  |  |  |
| iv | |  | |  | |  | iv |  |  |  |
| v | |  | |  | |  | v |  |  |  |
| vi | |  | |  | |  | vi |  |  |  |
|  | | | | | | | |  | | | |
| 3. | |  | |  | |  | | 4. |  |  |  |
| i | |  | |  | |  | i |  |  |  |
| ii | |  | |  | |  | ii |  |  |  |
| iii | |  | |  | |  | iii |  |  |  |
| iv | |  | |  | |  | iv |  |  |  |
| v | |  | |  | |  | v |  |  |  |
| vi | |  | |  | |  | vi |  |  |  |
|  | | | | | | | |  | | | |

***In each question, graph the line described then determine its equation and write it in the space provided.***

|  |  |  |
| --- | --- | --- |
| 1. The line through the points (2,5) and (–2,–7). | 2. The line through the points (1,0) and (3,8). | 3. The line through the points (–6,–6) and (3,–3). |
| 4. The line through the points (–5,6) and (–1,2). | 5. The line through the origin and the point (8,–6). | 6. The line with *x*-intercept 6 and *y*-intercept 4. |
| 7. The line with *x*-intercept –4 and *y*-intercept 6. | 8. The line with *x*-intercept 7 and through the point (–7,–4). | 9. The line with *y*-intercept  and through (5,4). |
| 10. The line with *y*-intercept –5 and parallel to the *x*-axis. | 11. The line through the points (–3,5) and (–3,–2). | 12. The line passing through the point (–7,2) with slope . |
| 13. The line with slope  and *x*‑intercept –6. | 14. The line with slope  passing through the point (–5,–7). | 15. The line with slope –6 passing through the point (1,1). |

***Answers:***

1.  2.  3. 

4.  5.  6. 

7.  8.  9. 

10.  11.  12. 

13.  14.  15. 