|  |  |  |
| --- | --- | --- |
| 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. 