**Finding Intercepts**

|  |  |
| --- | --- |
| **1.**    *x*-intercept ( , ) *y*-intercept ( , ) | **2.**    *Zero of the fct* ( , ) *y*-intercept ( , ) |
| **3.**    *Zero of the fct* ( , ) *y*-intercept ( , ) | **4.**    *x*-intercept ( , ) *b* ( , ) |
| **5.**    *x*-intercept ( , ) *y*-intercept ( , ) | **6.**    *Zero of the fct* ( , ) *b* ( , ) |

**Graph a line using the *x* and *y* intercepts given:**

|  |  |
| --- | --- |
| **7.**  *Zero of the fct* (3, 0) *y*-intercept (0, 5) | **8.**  *x*-intercept (-3, 0) *y*-intercept (0, -5) |
| **9.**  *x*-intercept (-2, 0) *b* (0, 1) | **10.**  *Zero of the fct* (4, 0) *y*-intercept (0, -7) |

**Find the intercepts and the slope from the tables below:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **11.**   |  |  | | --- | --- | | ***x*** | ***y*** | | -2 | 6 | | 0 | 4 | | 2 | 2 | | 4 | 0 |   *x*-intercept: (zero of the function) ( , )  *y*-intercept: ( , ) | |  |  | | --- | --- | | ***x*** | ***y*** | | -1 | 3 | | 1 | 1 | | 3 | -1 | | 5 | -3 |   **12.**  *x*-intercept: (zero of the function) ( , )  *y*-intercept: ( , ) |
| **13.**   |  |  | | --- | --- | | ***x*** | ***y*** | | -3 | 0 | | -2 | 2 | | -1 | 4 | | 0 | 6 | | 1 | 8 |   *x*-intercept: (zero of the function) ( , )  *y*-intercept: ( , ) | **14.**   |  |  | | --- | --- | | ***x*** | ***y*** | | 2 | -4 | | 1 | -3 | | -1 | -1 | | -3 | 1 | | -5 | 3 |   *x*-intercept: (zero of the function) ( , )  *y*-intercept: ( , ) |

**Graph a line using the *x* and *y* intercepts of the equation.**

|  |  |
| --- | --- |
| **15.**  **2*x* + 4*y* = 8**  *x*-intercept: (zero of the function) ( , )  *y*-intercept: ( , ) |  |
| **16.**  **3*x* - 6*y* = 18**  *x*-intercept: (zero of the function) ( , )  *y*-intercept: ( , ) |  |