**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: ( , ) |  |