**TCAP Blitz Assessment – 8th Grade**

**Weeks 1 – 2**

1. What is the solution to the following system of equations?



|  |  |
| --- | --- |
| A | (5, –2) |
| B |  |
| C | (–2, 5) |
| D |  |

1. What is the solution for the system of equations shown below?



|  |  |
| --- | --- |
| A | (–4, –2) |
| B | (3, –1) |
| C | (1, –3) |
| D | (–1, –3) |

1. What is the solution for the system of equations shown below?



|  |  |
| --- | --- |
| A |  |
| B | (0, 3) |
| C |  |
| D | (2, –1) |

1. Given: 

What is the solution to ?

|  |  |
| --- | --- |
| A | –5 |
| B |  |
| C |  |
| D | 5 |

1. Given: 

What is the solution to ?

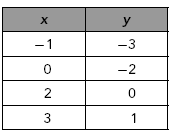
|  |  |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D | 24 |

1. Given: 

What is the value of *x* if ?

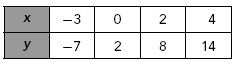
|  |  |
| --- | --- |
| A | –2 |
| B |  |
| C |  |
| D | 2 |

1. Which graph shows a line that contains the points in the table of ordered pairs?



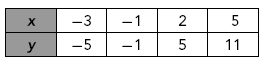
|  |  |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D |  |

1. Which equation best describes the relationship between the corresponding values of *x* and *y* in the table?



|  |  |
| --- | --- |
| A | *y* = 3*x* + 2 |
| B | *y* = 2*x* – 1 |
| C | *y* = *x* – 4 |
| D | *y* = –10 – *x* |

1. Which equation best describes the relationship between corresponding values of *x* and *y* shown in the table?

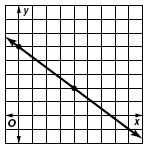


|  |  |
| --- | --- |
| A | *y* = *x* – 2 |
| B | *y* = 2*x* + 1 |
| C | *y* = 3*x* + 4 |
| D | *y* = 8 + *x* |

1. Which graph best represents the equation: 3*x* = 15 – 5*y*?

|  |  |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D |  |

1. What is the slope of the line graphed below?

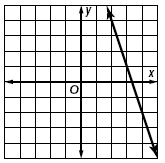


|  |  |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D |  |

1. What is the slope of the line given by the equation: *y* = 3*x* + 7?

|  |  |
| --- | --- |
| A | 7 |
| B |  |
| C | 3 |
| D |  |

1. What is the slope of the linear function shown in the graph below?

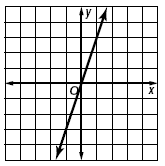


|  |  |
| --- | --- |
| A | –3 |
| B |  |
| C |  |
| D | 3 |

1. What is the slope of the line given by ?

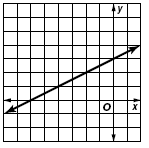
|  |  |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D | 5 |

1. Which of the following sets of ordered pairs are represented by the line on the graph below?



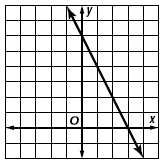
|  |  |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D |  |

1. Which pair of *x*- and *y*-intercepts was used to graph the line below?



|  |  |
| --- | --- |
| A | *x*-intercept: 3, *y*-intercept: –6 |
| B | *x*-intercept: –3, *y*-intercept: –6 |
| C | *x*-intercept: 6, *y*-intercept: 3 |
| D | *x*-intercept: –6, *y*-intercept: 3 |

1. What point names the *y*-intercept of the line in the graph below?



|  |  |
| --- | --- |
| A | (3, 0) |
| B | (0, 3) |
| C | (6, 0) |
| D | (0, 6) |

1. Which graph shows a nonlinear relationship between time and water level?

|  |  |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D |  |

1. Which of the following functions is linear?

|  |  |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D |  |

1. Which of the following functions is linear?

|  |  |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D |  |