Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_

**Unit 1 PRACTICE**

1. Write the equation of the line for the given points.



1. Use the pattern to complete each Diamond problem.



1. Evaluate the following problems when $x=-2$, $y=-3$, and $z=5$.



1. Solve each equation for $x$. Check your solution.



1. Describe a line with a …..

|  |  |  |  |
| --- | --- | --- | --- |
| Positive slope |  | Zero slope |  |
| Negative slope |  | Undefined slope |  |

1. Graph these equations on the coordinate plane. Label them!



Line A $ y=-\frac{2}{3}x+3$

Line B $y=2x+1$

Line C $ y=-2x+9$

Line D $y=\frac{2}{5}x-4$

1. Match graphs with their equations.





|  |  |  |
| --- | --- | --- |
| Graph 1 goes with …  | Graph 2 goes with … | Graph 4 goes with … |

1. For the equations listed in #7, identify the slopes and $y$-intercepts.