**Lesson 3.1abc Homework Practice: Find the Slope**

**Find the slope of each line.**







 **1. 2. 3.**

**Find the slope of the line that passes through each pair of points.**

 **4.** *A*(1, 3), *B*(4, 7) **5.** *C*(3, 5), *D*(2, 6) **6.** *E*(4, 0), *F*(5, 5)

**The points given in each table lie on a line. Find the slope of the line.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***x*** | –1 | 1 | 3 | 5 |
| ***y*** | –2 | 0 | 2 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***x*** | –1 | 2 | 5 | 8 |
| ***y*** | 3 | –1 | –5 | 9 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***x*** | –2 | 3 | 8 | 13 |
| ***y*** | –2 | –1 | 0 | 1 |

 **7. 8. 9.**



 **10. SNOWFALL** Use the graph at the right. It shows the depth in feet of snow after each two-hour period during a snowstorm.

 **a.** Find the slope of the line.

 **b.** Does the graph show a constant rate of change? Explain.

 **c.** If the graph is extended to the right, could you expect the slope to remain constant? Explain.



|  |  |
| --- | --- |
| **Question 13:** *Use the information below to answer all parts for question 1***CLEANING SERVICE** A cleaning service company charges $75 for 2 hours of service and $135 for 4 hours of service. How much does the cleaning service change for each hour? | **Question 14:** *Use the information below to answer all parts for question 1***BABY-SITTING** If you babysit for 5 hours, you make $60. If you babysit for 7 hours you make $84. How much do you charge per hour? |
| 1. Let statements

**Let x =\_\_\_\_\_\_\_\_\_\_\_\_ Let y =\_\_\_\_\_\_\_\_\_\_\_\_** | 1. Let statements

**Let x =\_\_\_\_\_\_\_\_\_\_\_\_ Let y =\_\_\_\_\_\_\_\_\_\_\_\_** |
| 1. Identify and label coordinates

**#1( , ) #2( , )** | 1. Identify and label coordinates

**#1( , ) #2( , )** |
| 1. Find the slope: ***Show all work***
 | 1. Find the slope: ***Show all work***
 |
| 1. Write a real-life sentence to represent the slope
 | 1. Write a real-life sentence to represent the slope
 |
| 1. Is this line proportional/Non-Proportional? ***Show work/Explain***
 | 1. Is this line proportional/Non-Proportional? ***Show work/Explain***
 |
| 1. **EXTENTION:** If it is not proportional, what do you think the fee is for the cleaning service?
 | 1. **EXTENTION:** Do you charge a travel fee for babysitting? If so, how much?
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**#15.) In a basketball game, Benito scored 3 points less than twice the number of points Carnell scored. Carnell scored 8 points. How many points did Benito score?**

 **F.** 5 points **G.** 11 points **H.** 13 points **I.** 16 points