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|  | Skill Drill 7  Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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| **5.** | What is the equation, in slope-intercept form, of the line plotted on the graph below?    \\10.10.156.130\Internet\ShareCode\files\assess_files\cbead1cb-ae81-4286-a714-f7bba6bab340\images\23c556c0-39cc-49d2-8fe5-686d63a1c7bf_a396269.gif  /files/assess\_files/88f29422-8e8e-4901-81fc-be0ed32e88be/formula\_sheets/FL-IBTP\_Math\_Reference\_Sheet\_Grade\_8.pdf  FL-IBTP\_Math\_Reference\_Sheet\_Grade\_8.pdf |
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| **6.** | Use the graph to answer the questions below.    \\10.10.156.130\Internet\ShareCode\files\assess_files\ae39aec9-281c-41d9-a92e-48799be90218\images\2cd4974a-8d7b-4ac8-913b-d2e4a16a5b15_a356894.gif    Part A. Explain how the triangle *ABC* and triangle *CDE* relate to each other.    Part B. What is the slope of the line given in the graph? Explain how each triangle’s side lengths relate to the slope of the line.    Use words, numbers, and/or pictures to show your work.  /files/assess\_files/88f29422-8e8e-4901-81fc-be0ed32e88be/formula\_sheets/FL-IBTP\_Math\_Reference\_Sheet\_Grade\_8.pdf  FL-IBTP\_Math\_Reference\_Sheet\_Grade\_8.pdf |
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| **7.** | Look at the graph below.  \\10.10.156.130\Internet\ShareCode\files\assess_files\647ff71f-70e9-49f2-98ec-1e34397d0691\images\040c7ad2-00f4-4698-9579-cd3cb90fed71_a367852.gif  What is the ratio of the vertical side length to the horizontal side length of both the triangles, and how does it compare to the slope of the line M N ?  /files/assess\_files/647ff71f-70e9-49f2-98ec-1e34397d0691/formula\_sheets/FL-IBTP\_Math\_Reference\_Sheet\_Grade\_8.pdf  FL-IBTP\_Math\_Reference\_Sheet\_Grade\_8.pdf |
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| **8.** | A water tank has a hole from which water is leaking at a constant rate. The table below shows the amount of water in the tank at different intervals of time.  \\10.10.156.130\Internet\ShareCode\files\assess_files\1accbaef-6c73-4cb9-9b9f-93029277fc43\images\87e63262-2a6f-4d4d-9c99-ff22137bb922_a455416.gif  How and at what rate is the amount of water in the tank changing over time?  /files/assess\_files/88f29422-8e8e-4901-81fc-be0ed32e88be/formula\_sheets/FL-IBTP\_Math\_Reference\_Sheet\_Grade\_8.pdf  FL-IBTP\_Math\_Reference\_Sheet\_Grade\_8.pdf |
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| **9.** | A train traveling at a constant speed covers 320 miles in 4 hours. What equation can be used to model the distance, *d* miles, the train travels in time, *t* hours?  /files/assess\_files/88f29422-8e8e-4901-81fc-be0ed32e88be/formula\_sheets/FL-IBTP\_Math\_Reference\_Sheet\_Grade\_8.pdf  FL-IBTP\_Math\_Reference\_Sheet\_Grade\_8.pdf |
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