**Chapter 3 Quiz**

**1. Label the pairs of lines segments as**

* **parallel or**
* **perpendicular or**
* **neither**

|  |  |  |
| --- | --- | --- |
| ..\..\art\Chapter 3\jpg\ML7_BLM3-8a.jpg**a)**  | ..\..\art\Chapter 3\jpg\ML7_BLM3-8b.jpg**b)**  | ..\..\art\Chapter 3\jpg\ML7_BLM3-8c.jpg**c)** |
| ..\..\art\Chapter 3\jpg\ML7_BLM3-8d.jpg**d)**  | ..\..\art\Chapter 3\jpg\ML7_BLM3-8e.jpg**e)**  | ..\..\art\Chapter 3\jpg\ML7_BLM3-8f.jpg**f)**  |

**2. Draw a line segment that is 7 cm long. Draw the perpendicular bisector of the line segment.**

**3. Measure each angle. Write the measure in the blank. Then use a compass, ruler, and pencil to bisect the angles.**

|  |  |
| --- | --- |
| ..\..\..\Art\Ch03\jpg\ML7_BLM3-12a.jpga)  \_\_\_\_\_\_\_\_\_\_ | ..\..\..\Art\Ch03\jpg\ML7_BLM3-12b.jpg**b)**  \_\_\_\_\_\_\_\_\_\_\_ |

**4. Use your knowledge of the area of a parallelogram to fill in the blanks in the table below.**

|  |  |  |
| --- | --- | --- |
| **Base** | **Height** | **Area of Parallelogram** |
| **a)** 5 cm | 3 cm | *A* = *\_\_\_\_\_\_\_\_(formula)**A* = \_\_\_ x\_\_\_\_*A* = \_\_\_\_\_ cm2 |
| **b)** 6 cm | 4 cm | *A* = \_\_\_\_ × \_\_\_\_*A* =\_\_\_\_\_\_\_\_\_\_\_ |
| **c)** I know the area. I can find the base:  \_\_\_\_\_\_\_\_ cm  | 5 cm | 45 cm2 |
| **d)** 12 cm | I know the area. I can find the height:  \_\_\_\_\_\_\_\_ cm | 120 cm2 |

**5. What is the area of each parallelogram? (Show your work)**

**a) Base = 7 cm and Height = 9 cm**

**b) Base = 3 m and height = 6.2 m**

**6. Find the area of the parallelogram below. (Show your work)**

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