4

3

1

2

Vertical and Adjacent Angles Practice

Angle 1 = 140 and angle 2 is 5x.What is the value of x?

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve each problem and write your answer in the box.

6x

|  |  |  |
| --- | --- | --- |
| # | Problem | Answer  |
| 1 |  What is the value of x? |  |
| 2 | Angles B and C are adjacent Angle B has a measure of (2x +30). Angle C has a measure of 64. What is the value of x? |  |
| 3 |  |  |
| 4 | Using the figure from problem 3, what is the value of angle 2? |  |
| 5 | Angle 6 is and angle 5 is. Are these angles vertical or adjacent? |  |
| 6 | Angles that share a vertex and one side are called \_\_\_\_\_\_\_\_. |  |
| 7 | The pairs of opposite angles made by two intersecting lines are called \_\_\_\_\_\_\_\_\_\_\_\_\_. |  |