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

Vertical Angles and Triangle Sum Worksheet

1. Complete the following chart with the correct angle measures:



1. Name both pairs of vertical angles.

1. Find the value of b. 4. Find the value of b.
2. X= \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6. X= \_\_\_\_\_\_\_\_\_\_\_\_\_\_

$m∠1$ = \_\_\_\_\_\_\_\_\_\_ $ m∠1$ = \_\_\_\_\_\_\_\_\_\_



For the following problems solve for the value of *x*.

1.  8.



1.  10.

1. 12.