Worksheet 21 "What are Complementary and Supplementary Angles?" Calculators Encouraged
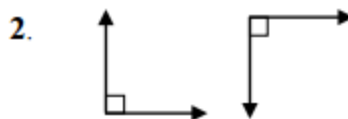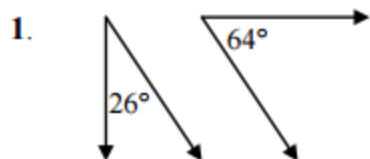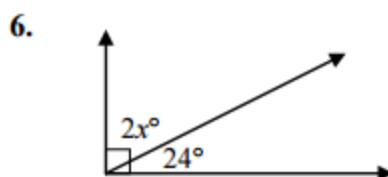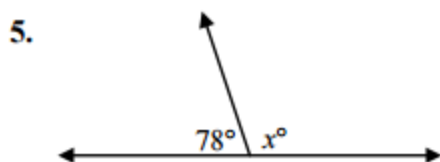
Identify each pair of angles as complementary, supplementary or neither

1.

64°
26°

2.

3.

17°
73°

4.

62°
128°
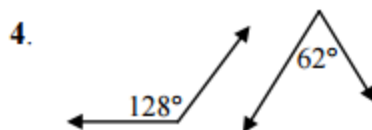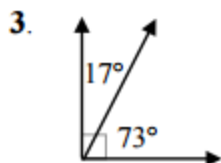
Write an equation for each description. Solve for x.

5.

78° $x°$

6.

$2x°$
24°

7. The complement of $\angle P$ is 73°. Find $m\angle P$.

8. The supplement of $\angle H$ is 34°. Find $m\angle H$.

Sketch a diagram using each set of information then find the measure of each angle.

9. $m\angle 2 = x°$
   $m\angle 3 = 4x°$
   $\angle 2$ and $\angle 3$ are supplementary.

10. $m\angle S = (3x+1)°$
    $m\angle V = (x+9)°$
    $\angle S$ and $\angle V$ are complementary.