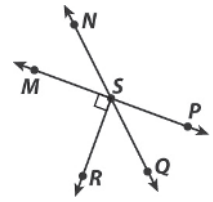


LESSON
9-1

Angle Relationships

Practice and Problem Solving: D

For Exercises 1–3, use the figure. The first one is done for you.



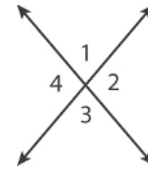
1. Name a pair of vertical angles.

$\angle PSQ$ and $\angle MSN$

2. Name a pair of complementary angles.

3. Name a pair of supplementary angles.

Use the diagram to find each angle measure. The first one is done for you.



4. If $m\angle 3 = 60^\circ$, find $m\angle 1$.

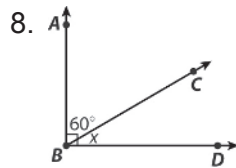
$\angle 1$ and $\angle 3$ are vertical angles,
so $m\angle 1 = 60^\circ$

5. If $m\angle 4 = 100^\circ$, find $m\angle 2$.

6. If $m\angle 1 = 50^\circ$, find $m\angle 2$.

7. If $m\angle 2 = 125^\circ$, find $m\angle 3$.

Find the value of x in each figure. The first one is done for you.



$m\angle ABC + m\angle CBD = 90$, so $x = 30$

