Transversals and Parallel Lines

Reteach

1. Name a pair of alternate interior angles.
2. Name a pair of same side interior angles.
3. Name a pair of corresponding angles.
4. Name a pair of alternate exterior angles.

Alternate interior angles are congruent.
Corresponding angles are congruent.
Alternate exterior angles are congruent.
Same side interior angles are supplementary.

Use the figure above to answer the following questions.

5. If \( m \angle 5 = 65^\circ \), \( m \angle 2 = \) _________.
6. If \( m \angle 6 = 100^\circ \), \( m \angle 7 = \) _________.

7. If \( m \angle 4 = 78^\circ \), name two other angles that also measure 78°.
Reteach 13-3: Graphing Square Root Functions

1. Domain: $x \geq 1$, Range: $y \geq -2$

<table>
<thead>
<tr>
<th>$x$</th>
<th>$y = \sqrt{x - 1} - 2$</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$\sqrt{1-1} - 2$</td>
</tr>
<tr>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>17</td>
<td>2</td>
</tr>
</tbody>
</table>

Reteach 13-4: Graphing Cube Root Functions

1. $f^{-1}(x) = \frac{\sqrt[3]{x}}{3}$

Reteach 14-1: Angles Formed by Intersecting Lines

1. $50^\circ$
2. $130^\circ$
3. $50^\circ$
4. $\angle BFC$ and $\angle DFC$
5. Answers may vary and may include any pair of angles that make up a linear pair or any pair of vertical right angles.
   Sample answers include:
   $\angle AFC$ and $\angle DFC$
   $\angle AFE$ and $\angle DFE$
6. $30^\circ$

Reteach 14-2: Transversals and Parallel Lines

1. $\angle 2$ and $\angle 7$; $\angle 3$ and $\angle 6$
2. $\angle 2$ and $\angle 3$; $\angle 6$ and $\angle 7$
3. $\angle 1$ and $\angle 3$; $\angle 2$ and $\angle 4$; $\angle 5$ and $\angle 7$; $\angle 6$ and $\angle 8$
4. $\angle 5$ and $\angle 4$; $\angle 1$ and $\angle 8$
5. $65^\circ$
6. $80^\circ$
7. Any two of $\angle 7$, $\angle 2$, $\angle 5$