Quadrilateral $ABCD$ is a rhombus. What is $m\angle ADE$?

**Solution**
Quadrilateral \(GHJK\) is a rhombus. What is \(GH\)?
2. a. The quadrilateral is a rhombus. What is \( m \angle MNO \)?

Enter your answer.
The quadrilateral is a rhombus. What is QT?
Given: \(PQRS\) is a rectangle.
Prove: \(PR \cong QS\)

<table>
<thead>
<tr>
<th>Statements</th>
<th>Reasons</th>
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<tr>
<td>1) (PQRS) is Rectangle</td>
<td>1) Given</td>
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<td>2) (PS \cong QR)</td>
<td>2) Opposite sides of (\square) (\cong).</td>
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<td>3) (SR \cong SR)</td>
<td>3) Reflexive prop.</td>
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<td>4) (\angle PSR + \angle QRS) are (\angle)'s</td>
<td>4) Def of Rectangle</td>
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<td>5) (\angle PSR \cong \angle QRS)</td>
<td>5) All Right (\angle)'s (\cong).</td>
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<td>6) (\triangle P SR \cong \triangle QRS)</td>
<td>6) SAS</td>
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<td>7) (PR \cong QS)</td>
<td>7) (\angle)CPCTC</td>
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<td>8)</td>
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Paul is training his horse to run the course at a pace of 4 meters per second or faster. Paul rides his horse from D to C to E to B in 1 minute 30 seconds. The figure ABCD is a rectangle. Did he make his goal?

\[ 80^2 + 192^2 = AC^2 \]

\[ 192 + 104 + 104 = 400 \]

\[ \frac{400}{90} = 4.4 \ m/sec \]
Use rhombus $DEFG$ to find $DF$. $= 10$

Use rhombus $DEFG$ to find $m\angle DFG$. $= 28^\circ$

Use rhombus $DEFG$ to find $EG$.

$$5^2 + b^2 = 5.6^2$$

$$b = 2.52$$

$$EG = 5.04$$
Use rectangle $MNPQ$ to find $MP$. $\approx 10$

8. Use rectangle $MNPQ$ to find $MQ$. Round to the nearest tenth.

$$10^2 - 4^2 = m a^2$$
$$8^2 = m a^2$$
$$m a = \sqrt{8^2}$$
$$= 8$$

$$= 9.2$$
Use square $WXYZ$ to find $m\angle YPZ. = 90^\circ$

Use square $WXYZ$ to find $m\angle XWP. = 45^\circ$

Use square $WXYZ$ to find $XZ.$
What is the value of $x$?