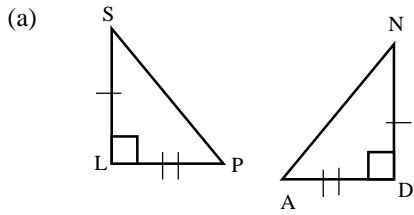
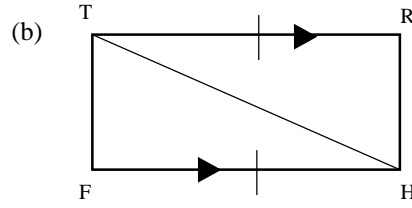


MATH 2 CHAPTER 6 PRACTICE QUIZ #11

1. Write a congruence statement.



$$\triangle AND \cong \triangle \underline{\hspace{2cm}}$$



$$\triangle HRT \cong \triangle \underline{\hspace{2cm}}$$

2. What is the vertex of the parabola written in graphing form? What is the y-intercept?

<p>(a) $y = (x + 7)^2 + 16$ vertex: (_____ , _____)</p> <p style="padding-left: 100px;">y-int: (0, _____)</p>	<p>(b) $y = (x - 10)^2 - 52$ vertex: (_____ , _____)</p> <p style="padding-left: 100px;">y-int: (0, _____)</p>
---	--

3. Solve the equation.

<p>(a) $0 = (x - 5)^2 - 16$ x = _____</p> <p style="padding-left: 100px;">x = _____</p>	<p>(a) $0 = (x + 10)^2 - 25$ x = _____</p> <p style="padding-left: 100px;">x = _____</p>
---	--

4. Factor these expressions. Use factoring shortcuts (difference of squares and perfect square trinomials).

<p>(a) $9x^2 - 16$ ()()</p>	<p>(b) $x^2 + 6x + 9$ ()²</p>
---	--

<p>(c) $4x^2 - 12x + 9$ ()²</p>	<p>(d) $121x^2 - 81$ ()()</p>
--	---