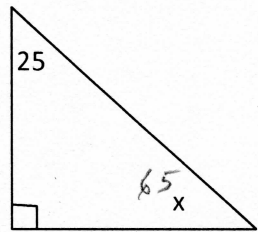
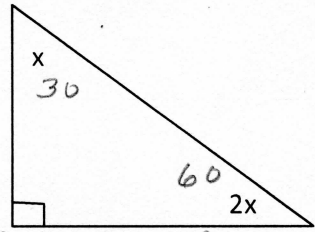
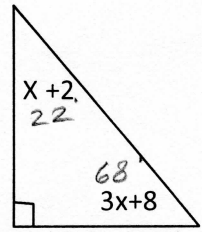
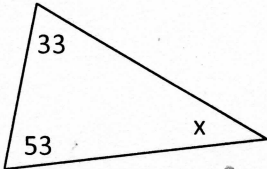
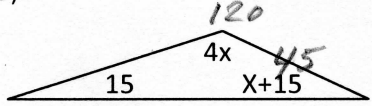
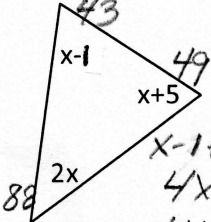
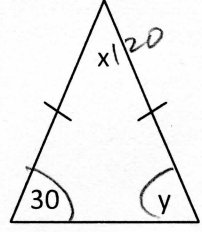
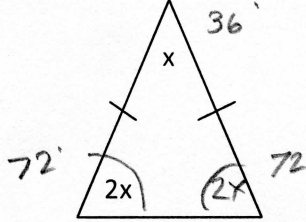
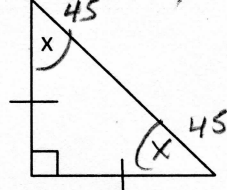
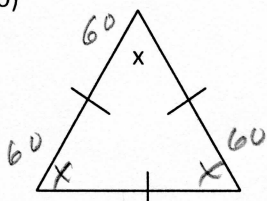
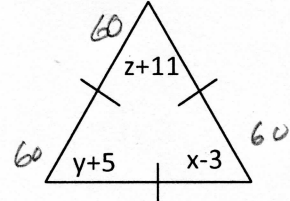
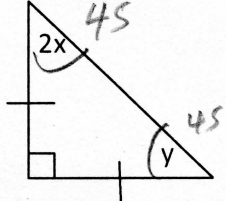


Topic 15  
Triangles & Algebra

<p>1)</p>  $90 + 25 + x = 180$ $115 + x = 180$ $\begin{array}{r} -115 \quad -115 \\ \hline x = 65 \end{array}$	<p>2)</p>  $90 + x + 2x = 180$ $90 + 3x = 180$ $3x = 90$ $x = 30$	<p>3)</p>  $90 + x + 2 + 3x + 8 = 180$ $100 + 4x = 180$ $4x = 80$ $x = 20$
<p>4)</p>  $33 + 53 + x = 180$ $88 + x = 180$ $x = 92$	<p>5)</p>  $15 + 4x + x + 15 = 180$ $5x + 30 = 180$ $5x = 150$ $x = 30$	<p>6)</p>  $x - 1 + 2x + x + 5 = 180$ $4x + 4 = 180$ $4x = 176$ $x = 44$
<p>7)</p>  $y = 30$ $30 + 30 + x = 180$ $60 + x = 180$ $x = 120$	<p>8)</p>  $2x + 2x + x = 180$ $5x = 180$ $x = 36$	<p>9)</p>  $90 + 2x = 180$ $2x = 90$ $x = 45$
<p>10)</p>  $3x = 180$ $x = 60$	<p>11)</p>  $z + 11 = 60$ $z = 49$ $y + 5 = 60$ $y = 55$ $x - 3 = 60$ $x = 63$	<p>12)</p>  $2x = 45$ $x = 22\frac{1}{2}$ $y = 45$