**Sine Rule, Cosine Rule and Area Rule - basics**

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| **1)** Find the value of  $x$ in the triangle below, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/83694521637_1.png | [1]   |
| **2)** Find  $x$ in the triangle below, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/83694521637_2.png | [1]   |
| **3)** Find  $x$ in the triangle below, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/83694521637_3.png | [1]   |
| **4)** Find the value of  $x$ in the triangle below, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/83694521637_4.png | [1]   |
| **5)** The area of triangle ABC is 120 cm2. Find the length of  $x$, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/83694521637_5.png | [1]   |
| **6)** The area of triangle ABC is 110  $cm^{2}$. Find the size of angle  $x$, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/83694521637_6.png | [1]   |

**Solutions for the assessment Sine Rule, Cosine Rule and Area Rule - basics**

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| **1)**  $x$ = 21.5 cm | **2)**  $x$ = 31.3 ° |
| **3)**  $x$ = 8.17 cm | **4)**  $x$ = 62.5 ° |
| **5)**  $x$ = 16.1 cm | **6)**  $x$ = 43.4 ° |