**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/115997670023_1.png | [1]   |
| **2)** Find  $x$ in the triangle below, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/115997670023_2.png | [1]   |
| **3)** Find  $x$ in the triangle below, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/115997670023_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/115997670023_4.png | [1]   |
| **5)** The area of triangle ABC is 230 cm2. Find the length of  $x$, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/115997670023_5.png | [1]   |
| **6)** The area of triangle ABC is 220  $cm^{2}$. Find the size of angle  $x$, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/115997670023_6.png | [1]   |

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

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| **1)**  $x$ = 17.7 cm | **2)**  $x$ = 51.1 ° |
| **3)**  $x$ = 27.0 cm | **4)**  $x$ = 49.3 ° |
| **5)**  $x$ = 27.4 cm | **6)**  $x$ = 86.1 ° |