**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/52859697804_1.png | [1]   |
| **2)** Find  $x$ in the triangle below, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/52859697804_2.png | [1]   |
| **3)** Find  $x$ in the triangle below, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/52859697804_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/52859697804_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/52859697804_5.png | [1]   |
| **6)** The area of triangle ABC is 60  $cm^{2}$. Find the size of angle  $x$, giving your answer to 3 significant figures.      http://www.mathster.com/course/simgs/52859697804_6.png | [1]   |

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

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| **1)**  $x$ = 9.60 cm | **2)**  $x$ = 30.6 ° |
| **3)**  $x$ = 6.79 cm | **4)**  $x$ = 57.7 ° |
| **5)**  $x$ = 17.7 cm | **6)**  $x$ = 41.8 ° |