**Pythagoras’ Theorem Revision**

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| **(a)** | **(b)** | **(c)** | **(d)** |
| Find the value of $x$ to 1 decimal place. | Find the value of $y$ to 3 significant figures. | A triangle has sides of lengths $10.5 cm$, $12 cm$ and $16.5 cm$. Is the triangle right-angled? Explain your answer. | Find the perimeter of the triangle to 3 significant figures. |
| **(e)** | **(f)** | **(g)** | **(h)** |
| Find the distance between the coordinates $(1, 6)$ and $(3, 2)$, giving an exact answer. | Find the value of $x$ to 3 significant figures. | Find the area of the isosceles triangle to 1 decimal place. | From point A, a boat sails 80 km east. It then turns and sails 110 km south to point B. Find the distance AB to the nearest km. |
| **(i)** | **(j)** | **(k)** |
| Find the value of $y$ to 3 significant figures. | The area of the isosceles triangle is $40 cm^{2}$. Find the perimeter of the triangle, to 1 decimal place. | Find the length of the line AB, giving your answer to 3 significant figures. |