

1. Write each in simplest radical form.

a. $\sqrt{50}$

b. $2\sqrt{300}$

c. $(3\sqrt{12})(\sqrt{3})$

d. $(4\sqrt{10})^2$

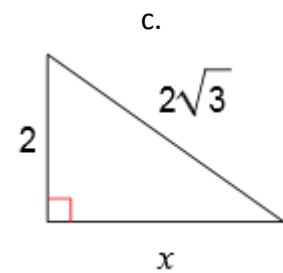
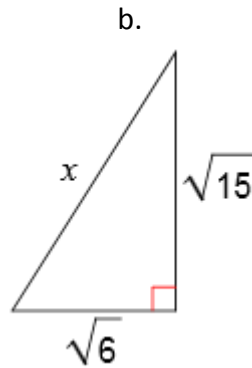
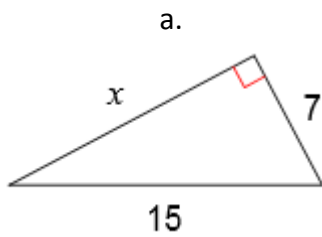
e. $\frac{\sqrt{24}}{\sqrt{6}}$

f. $\frac{12}{\sqrt{3}}$

g. $\sqrt{225}$

h. $\sqrt{\frac{8}{3}}$

2. Solve for x, in simplest radical form.



3. Each set of numbers represent the sides of a triangle. State whether the triangle is *Acute*, *Obtuse* or *Right*.

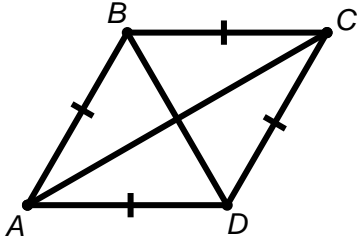
a. 7, 24, 25

b. 13, $3\sqrt{3}$, 12

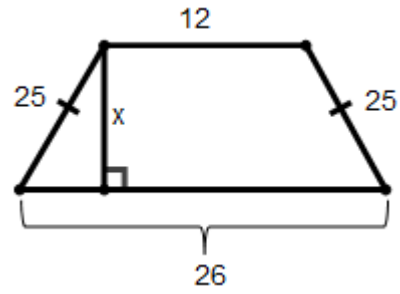
c. 4, 6, $\sqrt{65}$

4. Solve for x , in simplest radical form.

a. Rhombus ABCD. $BD = 12$, $BC = 14$. $AC = x$.

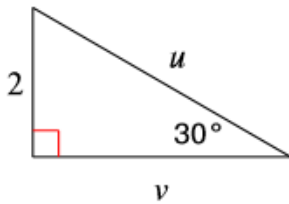


b.

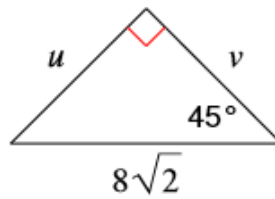


5. Find the missing sides of the triangle, in simplest radical form.

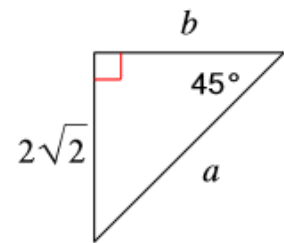
a.



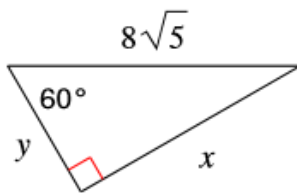
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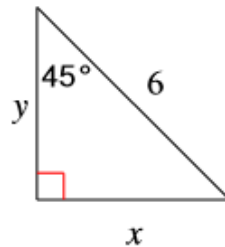
c.



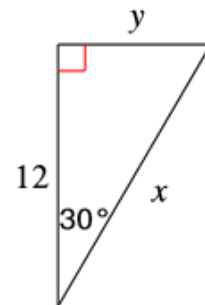
d.



e.



f.



6. Find the values of w , x , y , & z , in simplest radical form.

