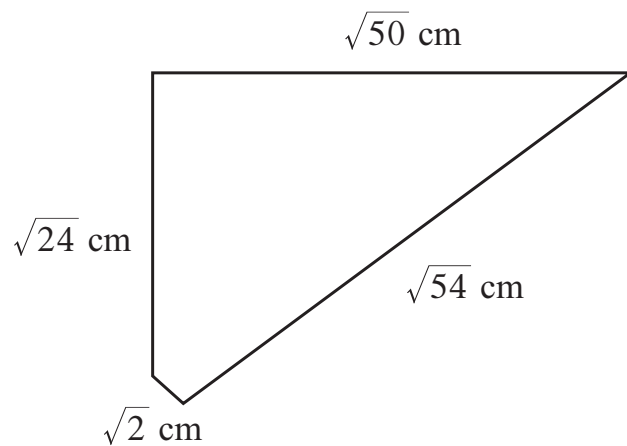


Unit 1: Radicals Lesson 1.2**Game On!**

- 3 1. Determine the perimeter of the shape below. Show your steps and express the answer in simplest radical form.



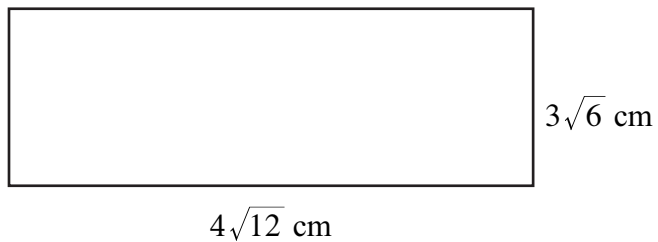
- 4 2. Express each of the following as simplified radicals. Show all steps to earn full marks.

a. $5\sqrt{3} + \sqrt{27} + \sqrt{98}$

b. $\sqrt{3} + \sqrt{48}$

- 2 3. Explain, in two or more sentences, how combining radicals by addition and subtraction is similar to combining monomial expressions by addition and subtraction. Use examples.

- 2 4. Determine the area of the shape below. Show your steps and express the answer in simplest radical form.



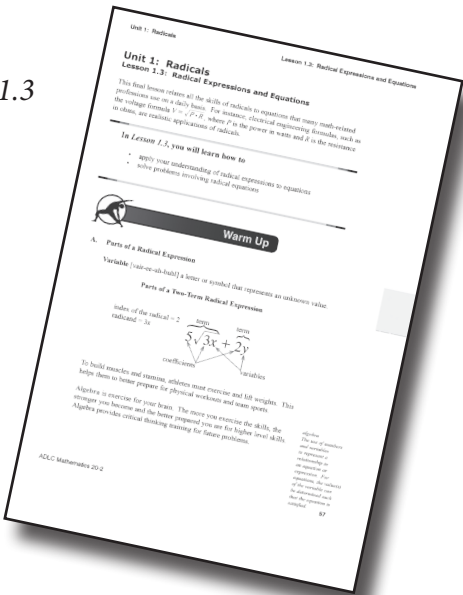
- ⑥ 5. Express each of the following in simplest form. Show all steps and state the restrictions on the variable.

a. $2\sqrt{x}(5\sqrt{x})$

b. $5\sqrt{2}(7\sqrt{x} + 5\sqrt{2})$

You have completed *Lesson 1.2 Game On!*

Please review all work in *Workbook 1A* to ensure it is your best work. Submit *Workbook 1A* for marking at this time and proceed to *Lesson 1.3* in the *Module*.



End Of Workbook 1A