Adding and Subtracting Radicals Quiz /11

Show all your work in a clear, easy to follow manner, for full marks. All answers must be written in simplest form.

1. Simplify. {8 marks}

a) $5\sqrt{3}-9\sqrt{3}$ b) $5\sqrt{18}-4\sqrt{50}-2\sqrt{72}$

c) $3\sqrt{125x^{2}y}+6x\sqrt{80y}$ d) $3\sqrt[3]{6}+2\sqrt[3]{48}$

2. Find the perimeter of the rectangle in simplest form. Recall $P=2l+2w$. {3 marks}

$$3\sqrt{20} cm$$

$$\sqrt{125} cm$$