1. Express √18 + 2√2 - √8, leaving your answer as a surd in its simplest form.

2. Rationalise the denominator: $\dfrac{3}{\sqrt{8}}$

3. Expand and fully simplify √6(√2 -√6).

4. Find the length of the diagonal AC of the rectangle below, leaving your answer as a surd in its simplest form.
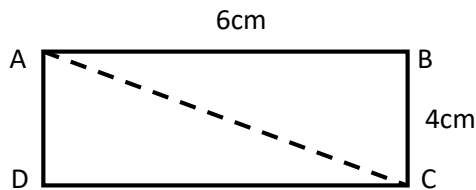
5. Simplify $\sqrt{\dfrac{9}{45}}$, leaving your answer as a surd with a rational denominator.

6. Simplify √3 x 2√2 x 2√6.

7. Express $\dfrac{6}{\sqrt{12}}$ with a rational denominator in its simplest form.

8. Simplify $\dfrac{\sqrt{3}}{\sqrt{18}}$, giving your answer with a rational denominator.

9. Express 6√10 + 3√90 - 8√40 in its simplest form.

10. Find the length of AB below, leaving your answer as a surd in its simplest form.
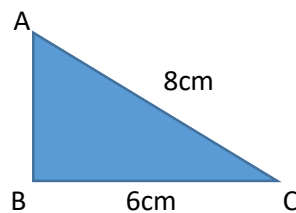
11. Expand and simplify √5(2√5 + √10)

12. Express √98 + √2 - √50 in the form $x\sqrt{a}$ and state the values of x and a.