$\sqrt{} = \sqrt{ \times } = \sqrt{}\sqrt{} = 3\sqrt{}$

$= 3\sqrt{4 \times 3} = 3\sqrt{4}\sqrt{3} = 3 \times \sqrt{3} = \sqrt{3}\,.$

A … **no useful simplification** …

$\overline{x} \quad \sqrt{y}$

$(3 - \sqrt{5})(\quad \sqrt{5}) = 3 \quad \sqrt{5} = \sqrt{5} = \times 5 = - \quad 5\sqrt{5}\,.$

… **rationalising the denominator** …

$$(a \quad b\sqrt{c})(a - b\sqrt{c}) = a^2 - b^2c\,.$$

Y … *always* …

$$\frac{}{\sqrt{}} = \frac{\sqrt{}}{}\,,$$

EXERCISES

cannot

√