2 Simplify fully.

(a) $\sqrt{12a} \times \sqrt{3a^5}$ **[2]**

(b) $(64b^3)^{\frac{1}{3}} \times (4b^4)^{-\frac{1}{2}}$ **[2]**

(c) $7 \times 9^{3c} - 4 \times 27^{2c}$ **[4]**