STEP 1 ADDING & SUBTRACTING WITH INDICES Simplify: 1) $2x^{2} + 7x^{2} =$ 2) $3x^{3} + 8x^{3} =$ 3) $7a^{2} + 2a^{2} + b =$ 4) $3b^{3} + b^{3} - b^{2} - b^{2} =$	STEP 2. SIMPLIFY BY MULTIPLYING (ADDITION LAW) Match the calculations to the simplified $a \times a \times a$ $a^2 \times a^5$ $a^2 \times a \times b^3 \times b^2$ a^7 a^3 $a^3 b^5$	
5) $2x^{2} + 3x^{3} + 3x^{2} + 2x^{3} =$ STEP 3 SIMPLIFY BY DIVIDING (SUBTRACTION LAW)	CTEP 1. POWERS OF POWERS	
Work out the missing values	$(2^{2})^{3} = (2x^{2})^{3} =$	
Work out the missing values 1) $3^{3} \div 3^{2} = 3$ 5) $12x^{3} \div x^{2} = 3x$ 2) $x^{8} \div x^{6} = x$ 6) $50x \div 2x^{7} = x^{15}$	$(2^{2})^{3} = (2x^{2})^{3} =$ $(2x^{2})^{3} =$ $(3^{2})^{3} = 7)(7x^{3})^{2} =$ $(\chi^{2})^{3} = 8)(4\chi^{8})^{3} =$ $(\chi^{2})^{3} = (\chi^{2})^{3} = (\chi^{2})^{3} =$	