

Question	Answer	Mark	Mark scheme	Additional guidance
19	-1	<p>P1</p> <p>P1</p> <p>P1</p> <p>A1</p>	<p>for start of a process to write all terms as a single power of 3, eg <math>(3^2)^{2x}</math> or <math>3^{2 \times 2x}</math> <b>or</b> <math>(3^3)^2</math> or <math>3^{3 \times 2}</math> <b>or</b> <math>(3^4)^{3x-2}</math> or <math>3^{4(3x-2)}</math> <b>or</b> <math>3^{-18}</math></p> <p>for correctly writing at least 3 terms as single powers of 3, eg <math>3^{2 \times 2x} \times 3^{3 \times 2} \times 3^{4(3x-2)} = 3^{-18}</math></p> <p>for forming a correct linear equation in <math>x</math>, eg <math>4x + 6 + 4(3x - 2) = -18</math></p> <p>cao</p>	<p>Do not need to be in a product</p> <p>An answer of -1 with no supportive working gets 0 marks</p>