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## Edexcel Maths GCSE - Factorising Equations (H)

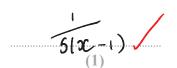
1. (a) Factorise  $a^2 - b^2$  Difference of two squares (D.0.7.5)  $(a+b)(a-b) = a^2 + ab - ab - b^2$   $= a^{2} - b^2$ (a+b)(a-b) (b) Hence, or otherwise, simplify fully  $(x^2 + 4)^2 - (x^2 - 2)^2$   $a^2 - b^2$   $a = x^2 + 44$   $b = x^2 - 2$   $a^2 - b^2$   $a^2 - b^2$  $a^2$ 

(Total for Question is 4 marks)

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**2.** (a) Simplify  $\frac{x-1}{5(x-1)^2}$ 

$$\frac{x^{-1}}{5(x^{-1})^2} \div \frac{(x^{-1})}{(x^{-1})} = \frac{1}{5(x^{-1})}$$



(b) Factorise fully  $50 - 2y^2$  $2(15 - 4^2)$ 2(5 - 4)(5 + 4)