

# Factorising (using the difference of two squares)

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Name: \_\_\_\_\_



Factorise the following expressions into double brackets

a)  $x^2 - 25$

k)  $49a^2 - 121b^2$

b)  $a^2 - 4$

l)  $64 - 4x^2$

c)  $g^2 - 49$

m)  $4x^2 - 36y^2$

d)  $d^2 - 81$

n)  $225w^2 - 196x^2$

e)  $f^2 - 100$

o)  $49c^2 - 169d^2$

f)  $16 - x^2$

p)  $a^2b^2 - c^2d^2$

g)  $64 - x^2$

q)  $f^2 - 49a^2$

h)  $144 - x^2$

r)  $16c^2 - g^2$

i)  $9x^2 - 36$

s)  $x^4 - y^4$

j)  $16b^2 - 100$

t)  $144x^4 - 36x^6$

## Exam question:

160 and can be written as  $169 - 9$

Use the difference of two squares to write 160 as product of two 2-digit integers

