

3) Factor out applying the binomial formulas:

a) $a^2 + 8ab + 16b^2 = (a + 4b)^2$

b) $9v^2 - w^2 = (3v + w)(3v - w)$

c) $4r^2 - 4rs + s^2 = (2r - s)^2$

d) $x^4 + 2x^2 + 1 = (x^2 + 1)^2$