

RULES OF INDICES

$x\sqrt{x}$

$(x - 2)$

$(x + 3)$

$(x + 5)$

$(x + 2)$

$(x - 3)$

$(x + 1)$

$(x - 1)$

x^2

\sqrt{x}

$x^{-\frac{3}{2}}$

$\frac{1}{x}$

$x^2 + 2x + 4$

Select expressions from above which multiply to given the answers listed below.

You may not use an expression more than once in each product.

a) $x^2 + 8x + 15$

b) $x^3 + 2x^2$

c) $x^2 - 9$

d) x^2

e) $x^{\frac{3}{2}} - 3x^{\frac{1}{2}}$

f) 1

g) \sqrt{x}

h) $\frac{4}{x} + x + 2$

i) $x^2 + 6x + 5$

j) $x^3 + 2x^2 - 5x - 6$

k) $x^3 - 2x^2 - 5x + 6$