

$$f = \{(0,1),(1,2),(2,3),(3,4)\}$$

$$g = \{(-1,1),(0,2),(1,3),(2,4)\}$$
Find Armain and range of f/g
$$f(0,1,2)$$

$$f(x) = x^{2} + 3x + 2$$

$$(f \cdot 9)(x)$$

$$Domain of f and g
is  $(-\infty,\infty)$ 

$$x^{2} + 3x + 2 - x - 1$$

$$x^{2} + 3x - x + 2 - 1$$

$$(f \cdot 9)(x) = x^{2} + 2x + 1$$

$$x = -\frac{1}{2} = -\left(\frac{2}{2(1)}\right) = -\left(\frac{2}{2}\right) = -1$$

$$(f \cdot 9)(x)$$

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$$(x^{2} + 3x - x^{2} + 2x + x^{2} + 3x + 2)$$

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