

p51

day 7

Inverse of a Relation (1.4) p51 day 7 Which of the following are invertible? closing a door putting on your shoes ripping paper turning on a light saying something mean burning down the school

Inverse of a Relation (1.4) Many things in life are invertible - you can undo them by doing the opposite action. In math, we have seen many inverse operations eg. multiply by 3, divide by 3 adding 10, subtracting 10 Functions can also be inverted. An inverse function can be used to undo the original.

Inverse of a Relation (1.4) day 7 ex1: Find the inverse of the following: a) $y = x^2$ b) y = 4xc) y = x + 5 $Y = \sqrt{\frac{1}{4}}$ $Y = \sqrt{\frac{1}{4}}$

Inverse of a Relation (1.4) day 7 ex2: Find the inverse: $y = x^{2} - 4$ $x = \gamma^{2} - 4$ y = 2x + 3 y = -5x + 2 x = -5y + 2switch x and y and solve for y





