PIECEWISE FUNCTION BACKWARDS

STEP:

Replace y to find x:

-You need to choose the right function by looking at the constraint of x's

Ex: A few people want to pave their driveway. The cost of paving depends on the area that needs to be covered. The function f(x) describes the cost of paving (\$) according to the area x

Question 1: If Richard's driveway is 25 m², how much will he have to pay to have it paved?

$$f(25) = 22(25)$$

$$= 550$$
Question 2: If Marla's driveway is 24 m², how much will she have to pay to have it paved?

Question 3: If Jimmy's driveway is 34 m², how much will he have to pay to have it paved?

$$f(34) = 22(34)$$

= 748\$

Question 4: If Jennifer's driveway is 35 m², how much will she have to pay to have it paved?

Q5. If a briveway costs \$460 to pave, how many m2 is it?

Q6: If a biveway costs \$682 to gave how m2 is it?

$$682 = 32 + 32$$