

Inverses of Functions Continued (Lesson).notebook

FORMATIVE ASSESSMENT TAKE-UP



MCR3U1

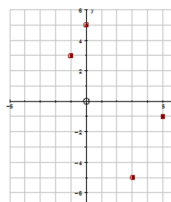
Functions and Transformations Quiz

Name: _____

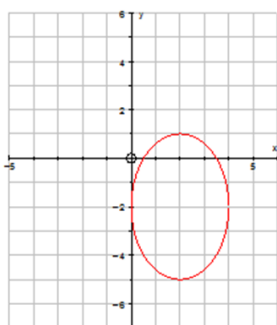
1. For each relation, state (i) the domain, (ii) the range and (iii) whether the relation is a function.

[15 marks]

a)



b)



c) $y = (x - 3)^2 - 5$

d) $y = \sqrt{x - 3}$

e) $\{(2,1), (-3,4), (2,-3), (5,2)\}$

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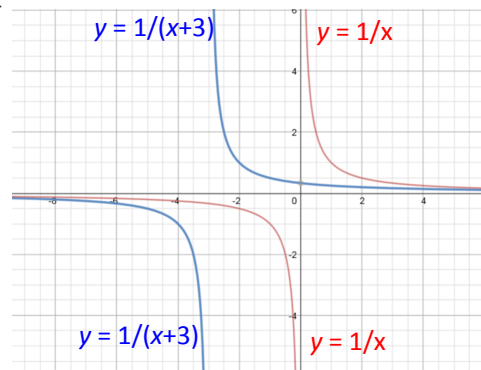
2. Given $f(x) = 5x^2 - 1$,

a) Evaluate i) $f(-2)$

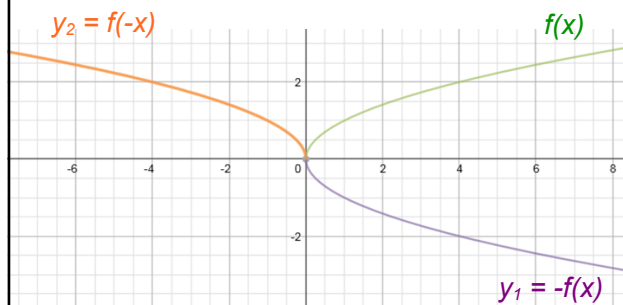
ii) $f(x) = 16$

b) Write the new equation if $f(x)$ is reflected in the x-axis.

3. Sketch the function $y = \frac{1}{x}$. Then use transformations to graph the function $y = \frac{1}{(x+3)} + 2$. Label each function. [3 marks]



4. Given the function $f(x)$, sketch the new functions: $y_1 = -f(x)$ and $y_2 = f(-x)$. Label each function. [2 marks]



HOMEWORK TAKE-UP

Pg. 215 #2, 5, 13,

Pg. 246 #1 - 6,

Pg. 248 #13 - 18



TODAY'S HOMEWORK

Pg. 215 #3a,b,c,g,h,i, 10(i)(iv)(v), 16(iv)

No really.
The dog
ate it.

