

October 23, 2017

Transformations of Graphs

#1)  $y = |x|$

$h = +8$

$y = |x-8| + 0$

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#2)  $y = \sqrt{x}$

$\sqrt{x+3}$

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$y = \sqrt{x+2} - 4$

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$y = f(x+4)$  (2, 4)

(-2, 4)

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#5)  $f(x) = (x-3)^2$

$f(x) = (x-h)^2 + k$

$h=0$

$k=0$

$= (x-0)^2 + 0$

$= x^2$

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2-6

#9) a.)  $f(-x)$  reflected about y-axis

#10) a.)  $-f(x)$  reflected about x-axis

#9) b.)  $3f(x)$

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