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-2

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10 12

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Graphing $f(x) = x^{2/3}$ Recall We can re-write our function: $f(x) = \sqrt[3]{x^2}$

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To see the whole graph, let's start with some points. • Like we saw with the cubed root, we can look at any x-value. We can find points by picking x-values, and finding f(x)If $x = 8 \rightarrow f(8) = \sqrt[3]{8}^2 = 2^2 = 4$, so (8, 4) is a point If $x = 1 \to f(1) = \sqrt[3]{1^2} = 1^2 = 1$, so (1, 1) is a point If $x = -1 \rightarrow f(-1) = \sqrt[3]{-1}^2 = (-1)^2 = 1$, so (-1, 1) is a point If $x = -8 \rightarrow f(-8) = \sqrt[3]{-8}^2 = (-2)^2 = 4$, so (-8, 4) is a point 4 0 -8 -6 -2 ĺ0 2 4 6 8 10 -10 -4 -2 -4

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