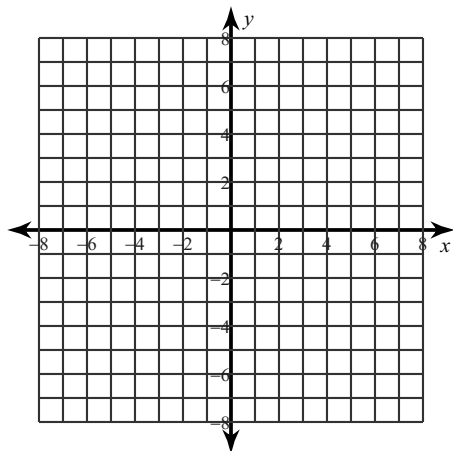


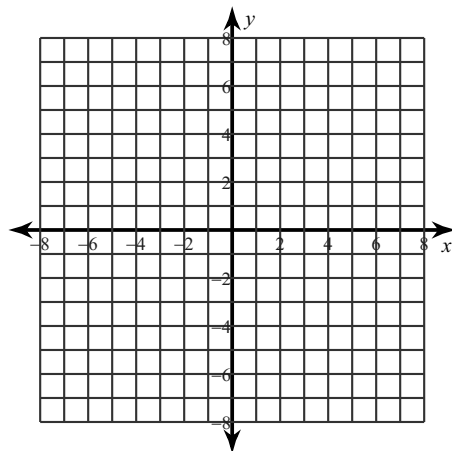
5.7 Practice graphing square roots and cube roots

Identify the domain and range of each. Then sketch the graph.

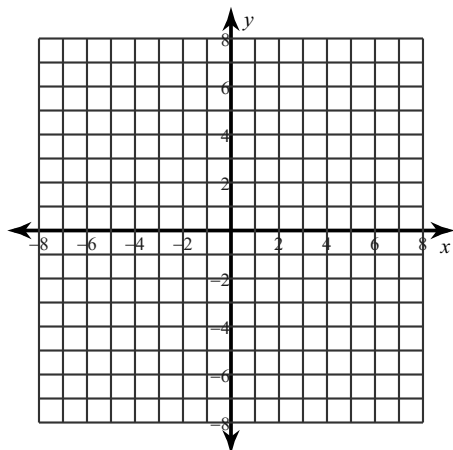
1) $y = 3\sqrt{x}$



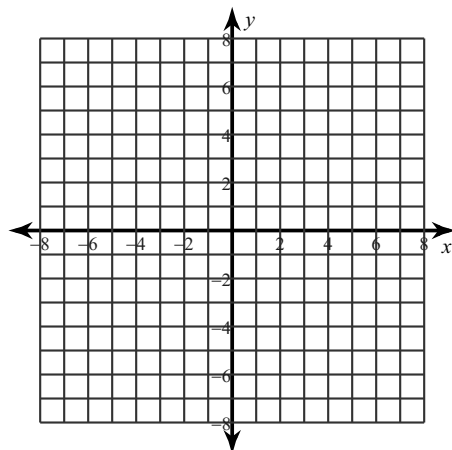
2) $y = \sqrt{x-3}$



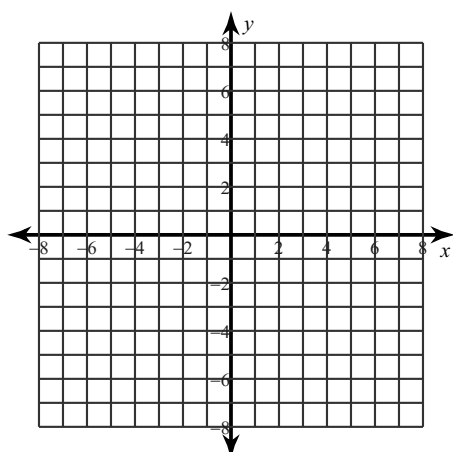
3) $y = \sqrt{x+3}$



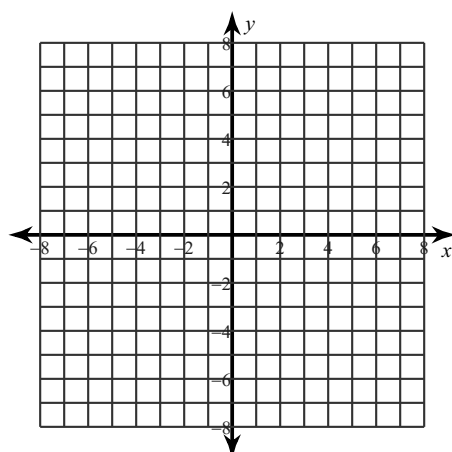
4) $y = 5 - 2\sqrt{x-1}$



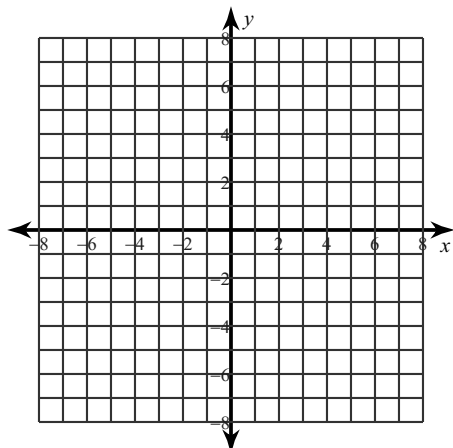
5) $y = -\frac{1}{2}\sqrt{x-2} + 2$



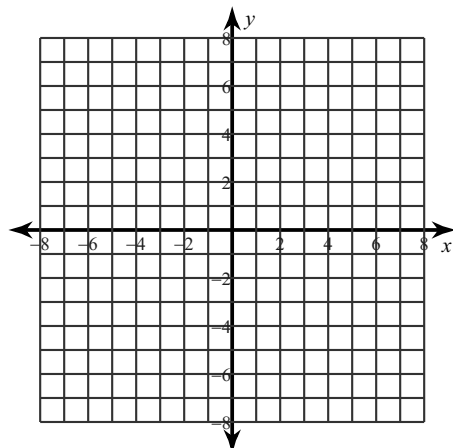
6) $y = \frac{1}{2}\sqrt{x+5}$



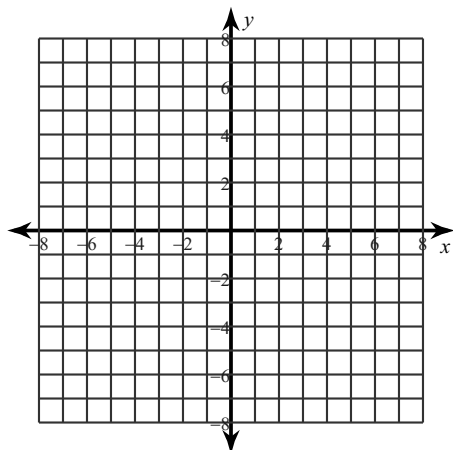
7) $y = -\frac{3}{4}\sqrt{x+1} + 2$



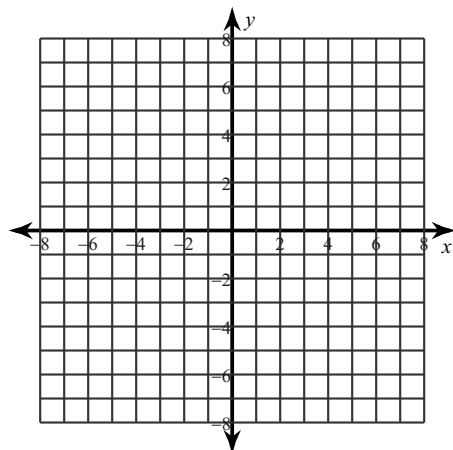
8) $y = \frac{1}{2}\sqrt{x-4} + 5$



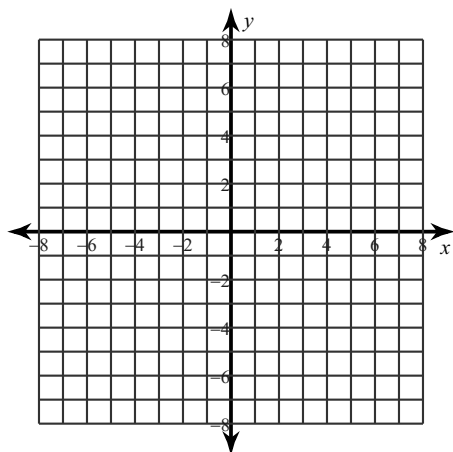
9) $y = \sqrt{x} + 2$



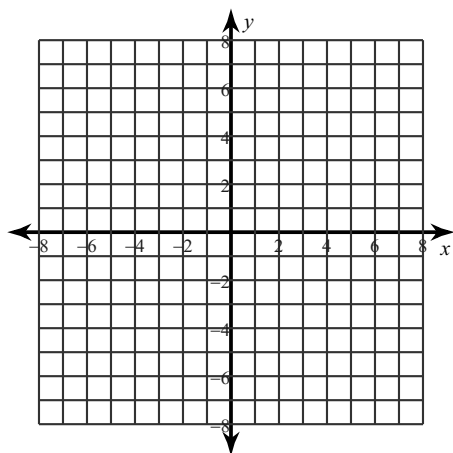
10) $y = \sqrt{16x-64} - 1$



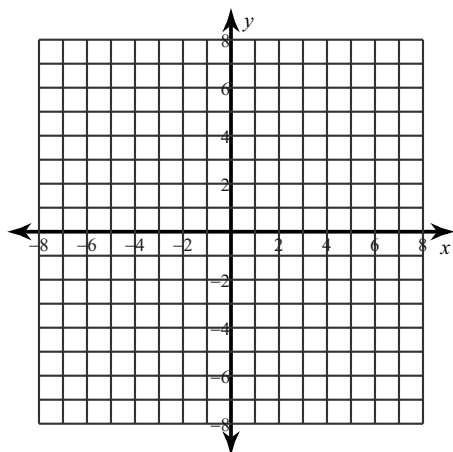
11) $y = \sqrt[3]{\frac{8x}{125}} + 4$



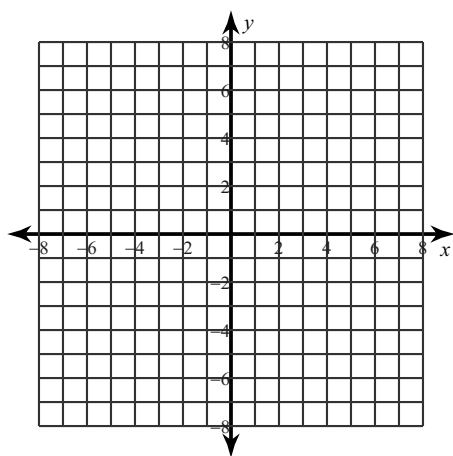
12) $y = \sqrt[3]{x+2} + 3$



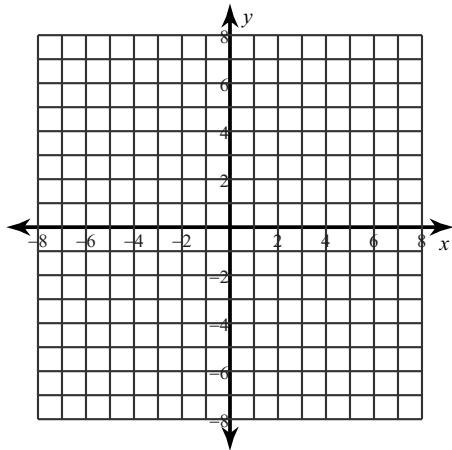
13) $y = -1 + \sqrt[3]{x}$



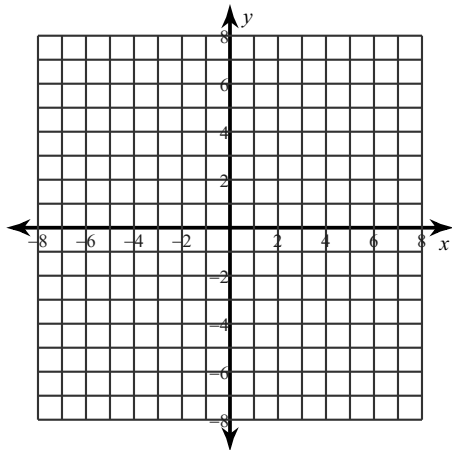
14) $y = \frac{2}{3}\sqrt[3]{x}$



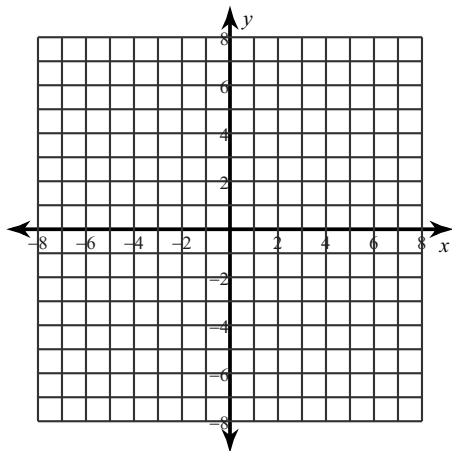
15) $y = -5 + \sqrt[3]{x}$



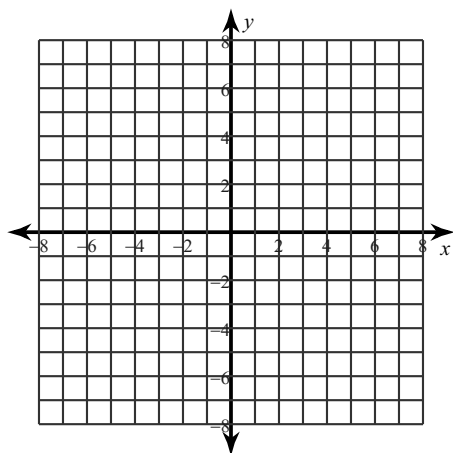
16) $y = \sqrt[3]{x+1}$



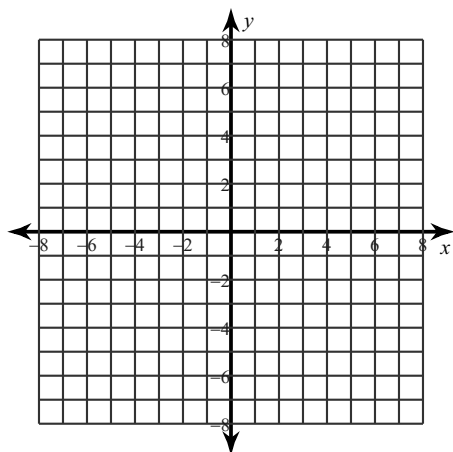
17) $y = 4\sqrt[3]{x}$



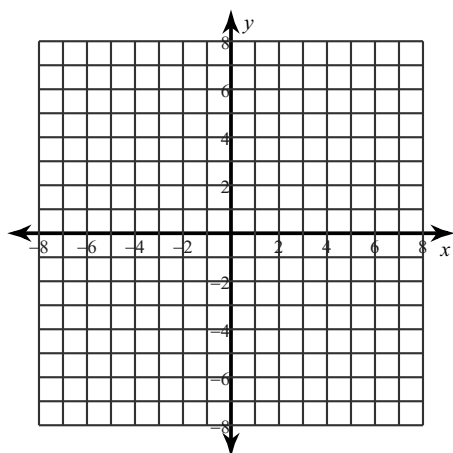
18) $y = 2\sqrt[3]{x+1} - 2$



19) $y = \sqrt[3]{x+6}$

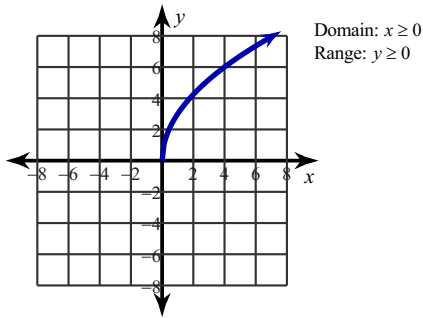


20) $y = \sqrt[3]{x+4} + 4$

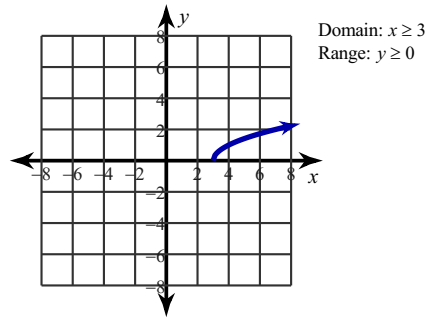


Answers to 5.7 Practice graphing square roots and cube roots (ID: 1)

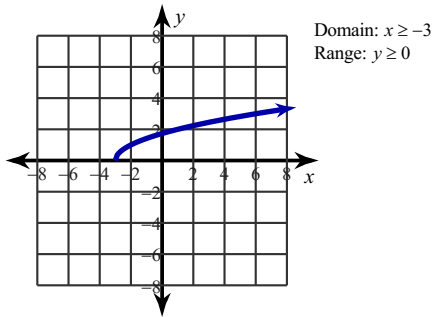
1)



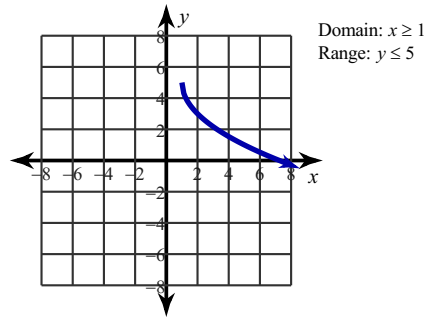
2)



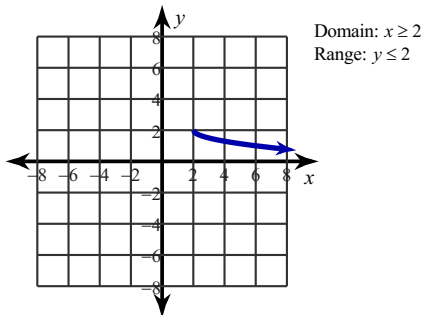
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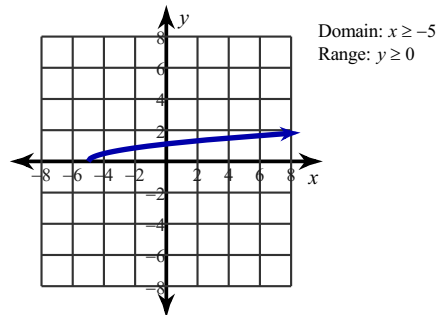
4)



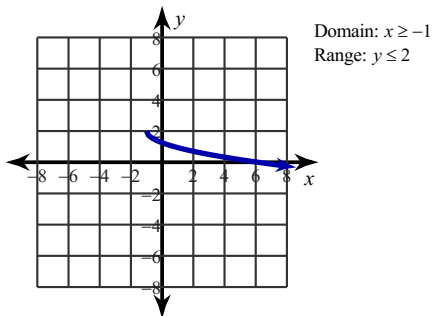
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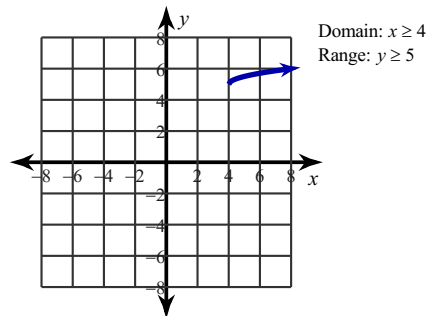
6)



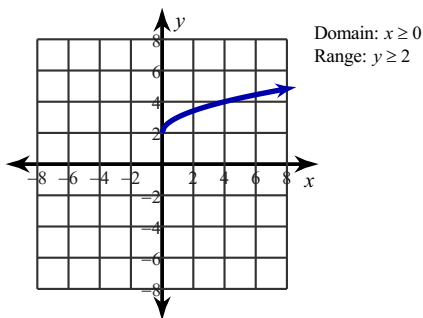
7)



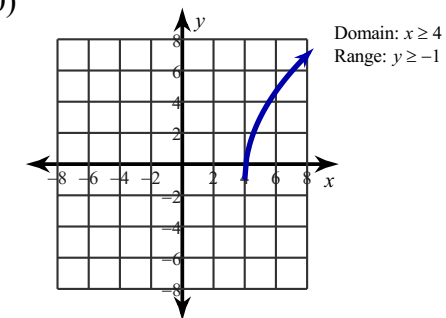
8)



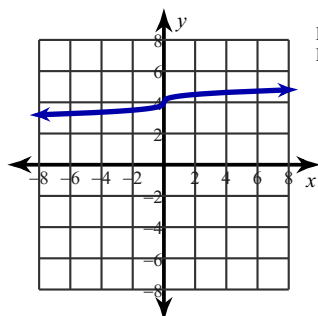
9)



10)

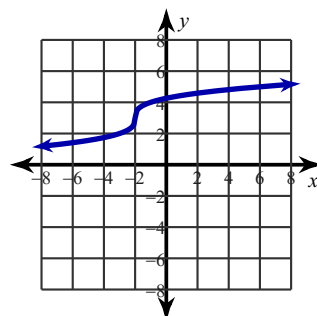


11)



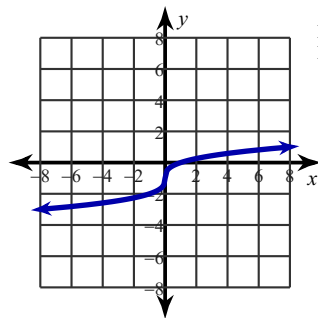
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Range: { All real numbers. }

12)



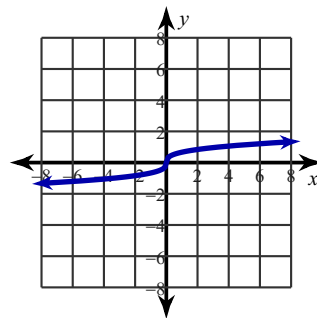
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13)



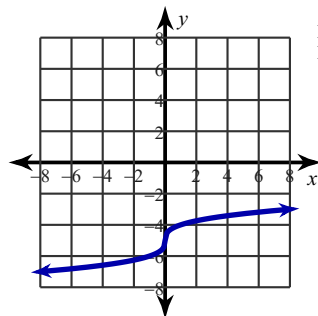
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14)



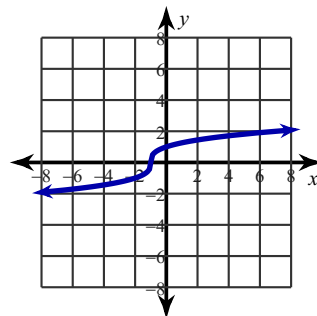
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15)



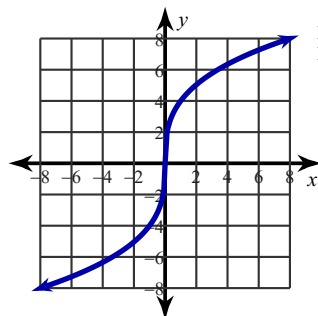
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16)



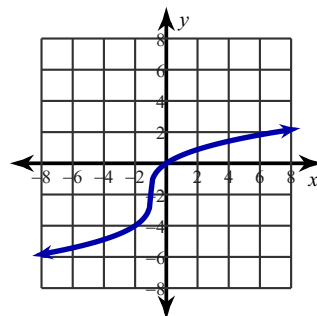
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17)



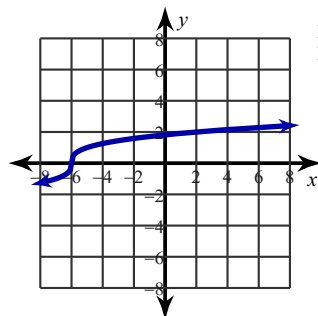
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18)



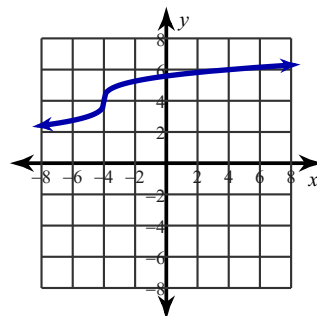
Domain: { All real numbers. }
Range: { All real numbers. }

19)



Domain: { All real numbers. }
Range: { All real numbers. }

20)



Domain: { All real numbers. }
Range: { All real numbers. }