

Evaluate each **Function**.

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| <b>1)</b><br>$y = x^2 - 7x + 15$<br><b>a) <math>x = 4</math></b> <b>b) <math>x = -3</math></b>     | <b>2)</b><br>$f(x) = x^2 - 19x + 90$<br><b>a) <math>x = 6</math></b> <b>b) <math>x = -5</math></b> |
| <b>3)</b><br>$g(x) = -x^2 + 14x - 40$<br><b>a) <math>g(10)</math></b> <b>b) <math>g(-8)</math></b> | <b>4)</b><br>$h(x) = -2x^3 + x^2 - 3x$<br><b>a) <math>h(1)</math></b> <b>b) <math>h(-2)</math></b> |
| <b>5)</b><br>$y = 2x - 15$<br><b>Find <math>x</math> if <math>y = 9</math></b>                     | <b>6)</b><br>$f(x) = 12x - 8$<br><b>Find <math>x</math> if <math>f(x) = 40</math></b>              |

Make a Table of the **Domain** and **Range** of each **Set of Ordered Pairs**.

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| <b>7)</b><br>$\{(-3, -2), (-8, 2), (-7, -4), (-7, -5)\}$ | <b>8)</b><br>$\{(-9, 8), (6, -2), (5, 8), (3, -4), (9, -2)\}$ |
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Given the **Domain**, find the **Range** using the **function's** equation.

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| <b>9)</b><br><b>Domain:</b> $\{10, -8, 2\}$<br><b>Equation:</b> $y = -\frac{1}{2}x + 7$ | <b>10)</b><br><b>Domain:</b> $\{12, 1, 9\}$<br><b>Equation:</b> $f(x) = -7x + 2$ |
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Given the **Range**, find the **Domain** using the **function's** equation.

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| <b>11)</b><br><b>Range:</b> $\{-78, -68, 102\}$<br><b>Equation:</b> $y = -10x - 8$ |  |
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