

Evaluate each **Function**.

<b>1)</b> $y = x^2 - 7x + 15$ <b>a)</b> $x = 4$ <b>b)</b> $x = -3$	<b>2)</b> $f(x) = x^2 - 19x + 90$ <b>a)</b> $x = 6$ <b>b)</b> $x = -5$
<b>3)</b> $g(x) = -x^2 + 14x - 40$ <b>a)</b> $g(10)$ <b>b)</b> $g(-8)$	<b>4)</b> $h(x) = -2x^3 + x^2 - 3x$ <b>a)</b> $h(1)$ <b>b)</b> $h(-2)$
<b>5)</b> $y = \frac{3}{4}x$ <b>Find <math>x</math> if <math>y = 9</math></b>	<b>6)</b> $f(x) = 12x - 8$ <b>Find <math>x</math> if <math>f(x) = 40</math></b>
<b>7)</b> $g(x) = 5x - 17$ <b>Find <math>x</math> if <math>g(x) = 18</math></b>	<b>8)</b> $p(x) = \frac{1}{2}x - 7$ <b>Find <math>x</math> if <math>p(x) = -12</math></b>

State the **Domain** and **Range** of each **Set of Ordered Pairs**.

<b>9)</b> $\{(-3, -2), (-8, 2), (-7, -4), (-7, -5)\}$	<b>10)</b> $\{(-9, 8), (6, -2), (5, 8), (3, -4), (9, -2)\}$
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Given the **Domain**, find the **Range** using the **function's** equation.

<b>11)</b> <b>Domain:</b> $\{10, -8, 2\}$ <b>Equation:</b> $y = -\frac{1}{2}x + 7$	<b>12)</b> <b>Domain:</b> $\{12, 1, 9\}$ <b>Equation:</b> $f(x) = -7x + 2$
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Given the **Range**, find the **Domain** using the **function's** equation.

**13)****Range:**  $\{-78, -68, 102\}$ **Equation:**  $y = -10x - 8$ **14)****Range:**  $\{-52, 8, 43\}$ **Equation:**  $g(x) = \frac{1}{5}x - 2$