

Translate Into Mathematical Symbols

Worksheet Answer Key

Express Yourself

Translate the following statements into mathematical symbols.

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| <p>1. Forty-six taken away from half of eight.
 $\frac{1}{2}(8) - 46 = -42$</p> | <p>$\frac{1}{2}(3)\sqrt{\frac{36}{a^2}} = \frac{9}{a}$</p> |
| <p>2. Square root of sixteen combined with the difference of x^2 and four times x.
 $\sqrt{16} + x^2 - 4x = (x - 2)^2$</p> | <p>7. Absolute value of the difference of 1 and the sum of 2 and u squared.
 $1 - (2 + u^2) = 1 + u^2$</p> |
| <p>3. One-third of eighty-one times l plus the difference of three and five times l.
 $\frac{1}{3}(81(l)) + (3 - 5(l)) = 22l + 3$</p> | <p>8. Square root of nine taken away from the square of three combined with two times five.
 $((3)^2 + 2(5)) - \sqrt{9} = (9 + 10) - 3 = 16$</p> |
| <p>4. Quotient of three and five taken away from the reciprocal of two.
 $\frac{\frac{3}{\frac{1}{2} - 5}}{\frac{3}{-\frac{9}{2}}} = -\frac{2}{3}$</p> | <p>9. Sum of four consecutive integers starting from n
 $n + (n + 1) + (n + 2) + (n + 3) = 4n + 6$</p> |
| <p>5. Nine taken away from the sum of ten percent of forty and half of fourteen times y.
 $(10\%(40) + \frac{1}{2}(14y)) - 9 = 7y - 5$</p> | <p>10. Ratio of five times w quadrupled and two taken away from double the difference of three and seven.
 $\frac{(5)(4w)}{2(3 - 7) - 2} = \frac{20w}{-10} = -2w$</p> |
| <p>6. Half of triple of square root of quotient of thirty six and a squared.</p> | |
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