1. For each algebraic expression determine the number of terms and identify the variables, coefficients, and constants.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Algebraic Expression** | **# of Terms** | **Variables** | **Coefficients** | **Constants** |
| $$x+1$$ |  |  |  |  |
| $$2x+3y-4$$ |  |  |  |  |
| $$7$$ |  |  |  |  |
| $$3x-6$$ |  |  |  |  |
| $$6a-2b+4d$$ |  |  |  |  |
| $$6p$$ |  |  |  |  |
| $$5m+n+4r-t$$ |  |  |  |  |

Determine if the following are either an **algebraic** **expression** or an **equation**. (Circle one)

|  |  |  |
| --- | --- | --- |
| 1. $3x+4z-1=2$

**algebraic** **expression****equation** | 1. $3d-4=0$

**algebraic** **expression****equation** | 1. $w-3m=-7$

**algebraic** **expression****equation** |

Write an equation or algebraic expression for each sentence.

|  |  |
| --- | --- |
| **Sentence** | **Algebraic Expression or Equation** |
| 1. Four more than three is seven
 |  |
| 1. 8 less than 10
 |  |
| 1. The sum of 4 and 3 doubled is 10
 |  |
| 1. The product of 12 and r is 24
 |  |
| 1. The quotient of t and 11
 |  |
| 1. The quotient of y and 2 times the difference of a and 3
 |  |