Three Types of Jedi

= Jedi Master = Level 3 = Prime

Evaluate
Generalize
Imagine
Judge
Predict

Speculate
If/Then
Create

= Jedi = Level 2 = CHOICE

Compare
Contrast
Classify
Distinguish
Explain (Why)
Infer
Sequence
Analyze
Make Analogies

= PADAWAN =Level 1 = SELECT

Match, Count, **Define, Describe, Identify, List, Compare and contrast, Fill in the blank, True or False,**

Costa's Math Levels of Questioning

A second way to craft questions applies Costa's model of intellectual functioning in three levels.. Level one questions focus on gathering and recalling information; level two, on making sense of gathered information; and level three, on applying and evaluating information. Examples of the types of behaviors that solicit questions using Costa's levels appear below.

Level One: Defining
Describing Identifying Listing   Naming   Observing   Reciting
Describe the shape of a trapezoid, isosceles triangle, and a parallelogram.
Define the terms degree and exponent?"
Give an examples of multiplicative inverse and identity (**define**)
***Name** the three forms of a line and give each equation.*
***List** the number of ways to find the equation of a line and give examples of each.*
Identify the amount of real number properties.
Identify the first step in solving for an equation of a line.   .
***Observe** what occurs when a line has a slope of zero. Graph the result.*
Every circle has a _____ and a _____.
For either the multiplicative or additive identity**, identify** where the numbers zero and one correspond.

Level Two: Analyzing

Comparing   Contrasting Grouping   Inferring Sequencing Explain in your own words

*Given the two forms of an ellipse, **compare and contrast** the equations. Include variables, exponents, numbers, and signs in the explanation.*

***Compare and contrast** finding the degree of a polynomial to a monomial.*
*Given the equations of all conic sections, **group** the conics that all are equal to one.*
Given the equation $y = ax2$,**explain in your own words** the significance of the value of a.
Given whole numbers, real numbers, natural numbers, and integers, put them in their proper order. **(sequencing)**
Given the expression $x + y$, it is **inferred** that the coefficient is equal to what value?

Level Three: Applying a Principle

Evaluating   T or F Imagining   Judging   Predicting   Hypothesizing
T or F. Every line is a function. If true, explain your reasoning. If false, correct the statement and explain your reasoning.

Given (2,3) and (5, 6), suppose you call one point $(x1, y1)$ and the other $(x2, y2)$ and find the slope. Then you switch what you call $(x1, y1)$ and $(x2, y2)$, **predict** what would be your results when find slope again.

Determine or **evaluate** the values of m and b in order for the line $y = mx +b$ to have an undefined slope. Give two examples if possible.

Determine the conditions that must exist for a triangle to be obtuse.

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