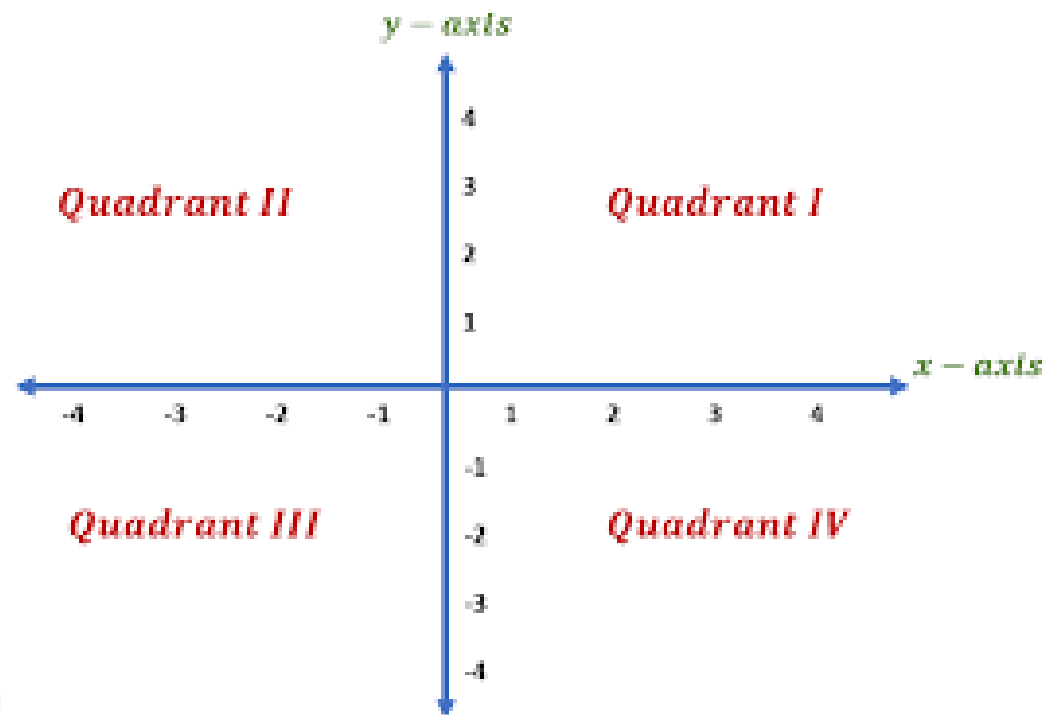


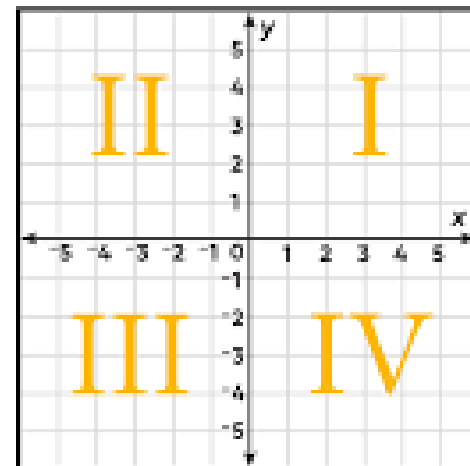
Latin and Greek Roots, Prefixes, and Suffixes Beginning with 'q and r'

Understanding word origins starting
with the letter P

quad-



- **Meaning:** four
- **Examples:**
 - - quadrilateral
 - - quadrant
 - - quadruple



quer/ques/quir/quis

Meaning: ask, seek



Examples:

- question

- inquire

- query

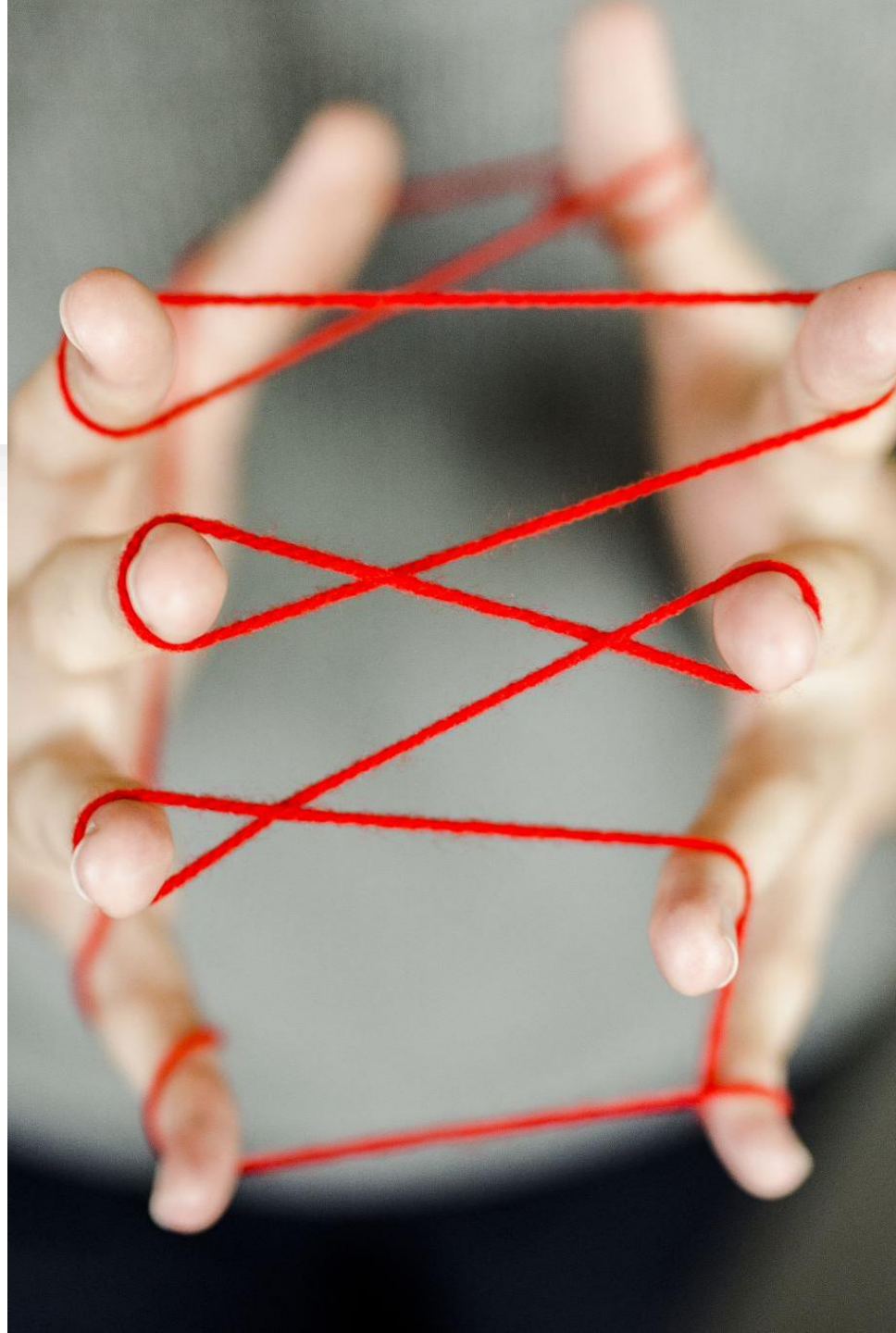
Quie(t)

- **Meaning:** rest, calm
- **Examples:**
 - - quiet
 - - acquiesce
 - - requiem



rad-

- **Meaning:** ray, spoke, root
- **Examples:**
 - - radius
 - - radiate
 - - radical



rapt



- **Meaning:** seize
- **Examples:**
 - - rapture
 - - enraptured
 - - raptor



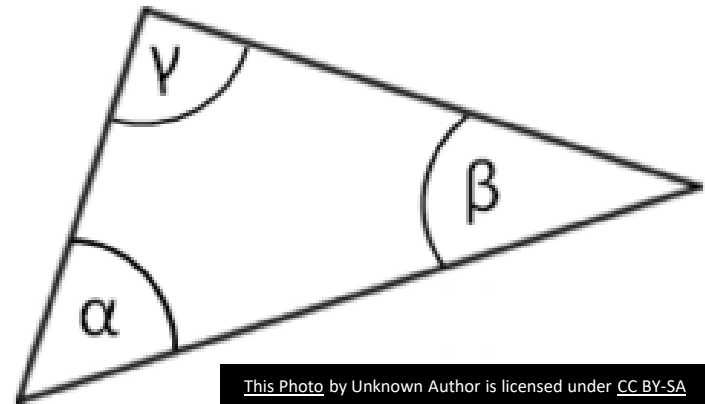
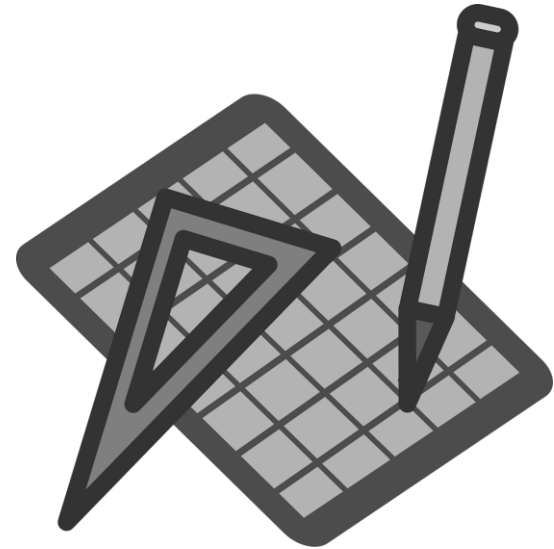
ratio

- **Meaning:** reason, calculation
- **Examples:**
 - - rational
 - - ratio
 - - rationales

The image shows a chalkboard with handwritten mathematical work. At the top left, the equation $y = g(x)$ is written and underlined. Below it, the words "Secant Lines" are written. To the right, the derivative is defined as $f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$. Below this, a specific example is worked out for $f(x) = x^2 + 2$. The steps shown are:
$$f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$
$$= \lim_{h \rightarrow 0} \frac{x^2 + 2xh + h^2 + 2 - (x^2 + 2)}{h}$$
$$= \lim_{h \rightarrow 0} \frac{2xh + h^2}{h}$$
$$= \lim_{h \rightarrow 0} h(2x + h)$$

rect-

- **Meaning:** straight, right
- **Examples:**
 - - rectangle
 - - correct
 - - direct



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re-

- **Meaning:** again, back
- **Examples:**
 - - redo
 - - return
 - - rebuild



reg-



RULES

1.

2.

3.

- **Meaning:** rule, guide
- **Examples:**
 - - regulate
 - - regime
 - - regent

retro-

- **Meaning:**
backward
- **Examples:**
 - - retroactive
 - - retrospective
 - - retrograde



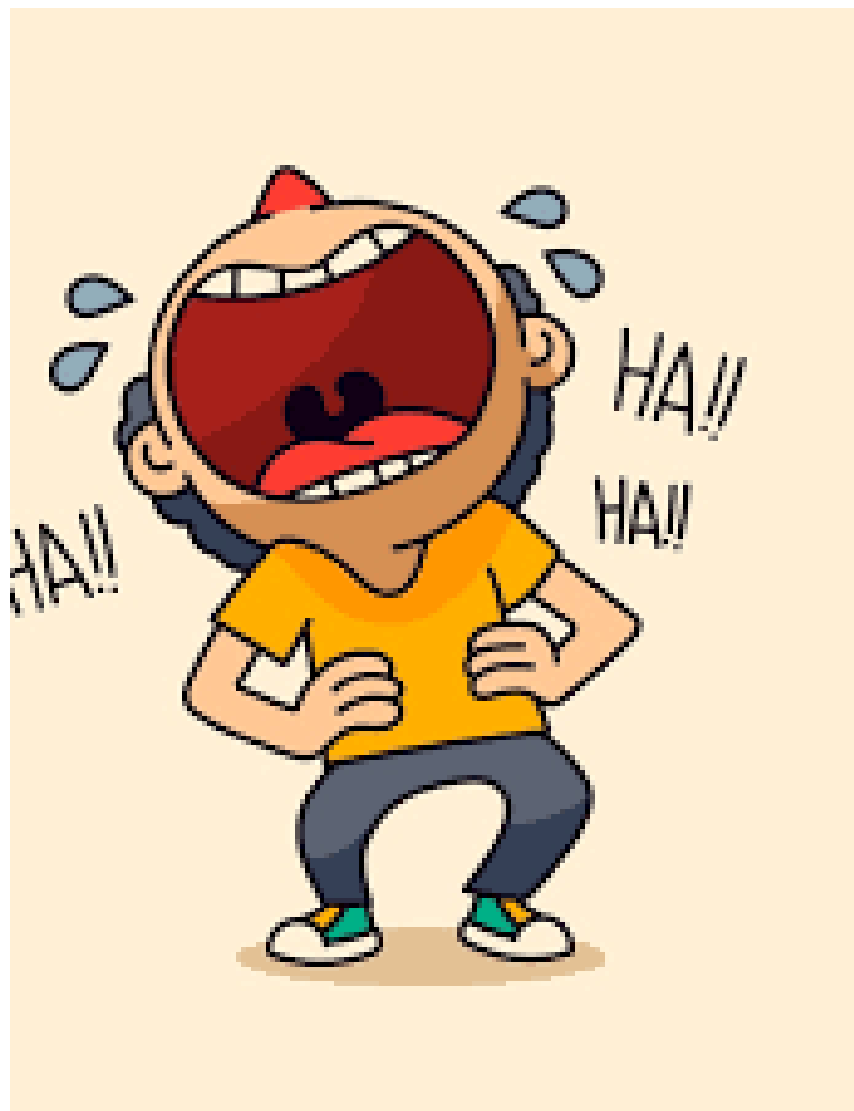


requi-

- **Meaning:**
rest
- **Examples:**
 - - requiem
 - - requisite
 - - require

rid/ris

- **Meaning:**
laugh
- **Examples:**
 - - ridiculous
 - - deride
 - - risible



rupt-

- **Meaning:**
break
- **Examples:**
 - - erupt
 - - disrupt
 - - rupture

