math_utils

solve_problem

```
def solve_problem(problem: str, **config) -> str
```

(openai<1) Solve the math problem.

Arguments:

- `problem` *str* - The problem statement.
- `config` *Optional, dict* - The configuration for the API call.

Returns:

- `str` - The solution to the problem.

remove_boxed

```
def remove_boxed(string: str) -> Optional[str]
```

Source: https://github.com/hendrycks/math Extract the text within a \boxed{...} environment.

Example:

> remove_boxed("\boxed{\frac{2}{3}}")

\frac{2}{3}

last_boxed_only_string

```
def last_boxed_only_string(string: str) -> Optional[str]
```

Source: https://github.com/hendrycks/math Extract the last \boxed{...} or \fbox{...} element from a string.

is_equiv

```
def is_equiv(str1: Optional[str], str2: Optional[str]) -> float
```

Returns (as a float) whether two strings containing math are equivalent up to differences of formatting in

- units
- fractions
- square roots
- superfluous LaTeX. Source: https://github.com/hendrycks/math

is_equiv_chain_of_thought

```
def is_equiv_chain_of_thought(str1: str, str2: str) -> float
```

Strips the solution first before calling `is_equiv`.

eval_math_responses

```
def eval_math_responses(responses, solution=None, **args)
```

Select a response for a math problem using voting, and check if the response is correct if the solution is provided.

Arguments:

- `responses` *list* - The list of responses.
- `solution` *str* - The canonical solution.

Returns:

- `dict` - The success metrics.

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