These should all get escaped:
Backslash: \
Backtick: `
Asterisk: *
Underscore: _
Left brace: {
Right brace: }
Left bracket: [
Right bracket:]
Left paren: (
Right paren:)
Greater-than: >
Hash: #
Period: .
Bang: !
Plus: +
Minus: -
Tilde: ~
These should not, because they occur within a code block:
Backslash: \\
Backtick: \`
Asterisk: *
Underscore: _

Left brace: \{

Right brace: \}

Left bracket: \[

Right bracket: \]

```
Left paren: \(
Right paren: \(
)
Greater-than: \>
Hash: \#
Period: \(
\)
Bang: \!
Plus: \+
Minus: \-
Tilde: \~
```

Nor should these, which occur in code spans:

Backslash: \\

Backtick: \`

Asterisk: *

Underscore: _

Left brace: \{

Right brace: \}

Left bracket: \[

Right bracket: \]

Left paren: \(

Right paren: \)

Greater-than: \>

Hash: \#

Period: \.

Bang: \!

Plus: \+

Minus: ∖-

Tilde: \~

These should get escaped, even though they're matching pairs for other Markdown constructs:

asterisks
underscores
`backticks`
This is a code span with a literal backslash-backtick sequence: \`
This is a tag with unescaped backticks bar.
This is a tag with backslashes bar.