## **Matchers**

are *not* equivalent

Jasmine has several built-in matchers. Here are a few:

```
expect(x).toEqual(y); compares objects or primitives (x) and (y) and passes if they are
  equivalent
  expect(x).toBe(y); compares objects or primitives x and y and passes if they are the same
  object
  expect(x).toMatch(pattern); compares (x) to string or regular expression (pattern) and
  passes if they match
  expect(x).toBeDefined(); passes if (x) is not (undefined)
  expect(x).toBeUndefined(); passes if (x) is (undefined)
  expect(x).toBeNull(); passes if (x) is (null)
  expect(x).toBeTruthy(); passes if (x) evaluates to true
  expect(x).toBeFalsy(); passes if x evaluates to false
  expect(x).toContain(y); passes if array or string x contains y
  expect(x).toBeLessThan(y); passes if x is less than y
  expect(x).toBeGreaterThan(y); passes if x is greater than y
  expect(function(){fn();}).toThrow(e); passes if function (fn) throws exception (e) when
  executed
The old matchers [toNotEqual], [toNotBe], [toNotMatch], and [toNotContain] have been deprecated
and will be removed in a future release. Please change your specs to
USE not.toEqual, not.toBe, not.toMatch, and not.toContain respectively.
Every matcher's criteria can be inverted by prepending .not:
```

expect(x).not.toEqual(y); compares objects or primitives (x) and (y) and passes if they