Cullen Watson

CS 3342 – Homework #1

Part A1:

```
Match 1: false
Match 2: false
Match 3: true
Match 4: false
Match 5: true
Match 6: false
Match 7: true
Match 8: true
Match 9: false
```

Part A2:

```
        // PART A2
        System.out.println("Match 10: " + Pattern.matches("[\\d]", "9"));
        System.out.println("Match 11: " + Pattern.matches("[\\w]", "a"));
        System.out.println("Match 12: " + Pattern.matches("b*a", "a"));
        System.out.println("Match 13: " + Pattern.matches("colo*r", "color"));
        System.out.println("Match 14: " + Pattern.matches("[789][0-9]{4}", "99530"));
        System.out.println("Match 15: " + Pattern.matches("[789]{2}[0-5]{3}", "89530"));

        Pattern p = Pattern.compile("\\d");
        Matcher m = p.matcher("332");
        System.out.println("Find 1: " + m.find());

        p = Pattern.compile("[^abc]");
        m = p.matcher("123The ");
        System.out.println("Find 2: " + m.find());

        p = Pattern.compile("[\\S]");
        m = p.matcher("The color green ");
        System.out.println("Find 3: " + m.find());

    }
}
```

Problems Javadoc Declaration Console

```
<terminated> App (8) [Java Application] C:\Users\pc\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1
Match 10: true
Match 11: true
Match 12: true
Match 13: true
Match 14: true
Match 15: true
Find 1: true
Find 2: true
Find 3: true
```

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Part B