

**P3 Factoring Quiz Review 2**

Name \_\_\_\_\_

**Factor completely. If the polynomial is not factorable, write *prime*.**

1.  $x^2 + 22x + 121$

2.  $x^3 + 1$

3.  $x^2 - 15x + 50$

4.  $6x^2 + 7x - 3$

5.  $9x^2 + 36$

6.  $2x^4 - 24x^3 + 40x^2$

7.  $-y^2 - 10y + 56$

8.  $8x^3 + 12x^2 - 2x - 3$

9.  $3x^2 + 22x + 35$

10.  $-y^2 + 25$

11.  $2a^2 + 32a + 78$

12.  $8x^2 - 64$

13.  $n^2 - 25n + 84$

14.  $x^2 - 15x - 16$

15.  $8y^3 - 125$

16.  $c^2 - 12c - 28$

17.  $4x^2 - 12 + 13x$

18.  $x^2 - 81$

19.  $-8x^2 + 6x + 5$

20.  $25y^4 - 10y^3 - 5y + 2$

21.  $x^3 - 19x^2y + 70y^2$