

Factoring Worksheet

MCR 3U

Name: _____

Factor fully each of the following expressions. Show all steps for full marks.
Hand in your solutions when you are finished.

1. $m^4 + 6m^2 - 16$

2. $1 - k^4$

3. $6m^2 - m - 40$

4. $3x^4 + 7x^2y^2 + 2y^4$

5. $500m^5 - 180m^3$

6. $-6x^2 - 17xy + 14y^2$

7. $30p^5 + 52p^3q^2 + 16pq^4$

8. $4m^2 - (6m-7)^2$

9. $x^4 - 13x^2 + 36$

10. $(2x - 7)^2 - (3x + 2y)^2$