

Unit 8 Review

Factor each completely.

1) $n^2 + n - 90$

2) $2p^2 - 5p$

3) $15p^2 - 66p + 24$

4) $14m^2 + 16m$

5) $m^2 + 6m + 9$

6) $100m^2 - 64$

7) $18x^2 - 2y^2$

8) $81a^4 - 16$

9) $5a^2 + 40a - 100$

10) $28x^2 - 88x + 64$

11) $-14b^3 + 12b - 8$

12) $-24x^3 - 30x^2 + 24x$

13) $40yx + 32y^3$

14) $-32u^3v^5 + 48u^2v^3 - 80uv^2 + 8$

15) The Area of a rectangle is $5x^2 + 5x - 30$ if the width is $5x + 15$, what is the length?