

8.7 Factoring Practice

Date _____ Period _____

Factor each completely.

1) $n^2 + 2n + 1$

2) $m^2 - 16$

3) $25v^2 - 16$

4) $4p^2 + 12p + 9$

$$5) x^2 - 6xy + 9y^2$$

$$6) m^2 - 4n^2$$

Factor each completely. For your review.

$$7) n^2 + n - 30$$

$$8) x^2 - 4x - 45$$

Factor each completely.

$$9) 2m^2 - 5m - 25$$

$$10) 3x^2 + 5x + 2$$

Answers to 8.7 Factoring Practice (ID: 1)

1) $(n + 1)^2$

5) $(x - 3y)^2$

9) $(2m + 5)(m - 5)$

2) $(m + 4)(m - 4)$

6) $(m + 2n)(m - 2n)$

10) $(3x + 2)(x + 1)$

3) $(5v + 4)(5v - 4)$

7) $(n - 5)(n + 6)$

4) $(2p + 3)^2$

8) $(x - 9)(x + 5)$