

## Factoring Quadratic D2

Date \_\_\_\_\_ Period \_\_\_\_\_

**Factor each completely.**

1)  $b^2 + 17b + 72$

2)  $k^2 - 10k$

3)  $3n^2 - 11n - 20$

4)  $5m^2 + 6m - 8$

5)  $4r^2 - 12r + 9$

6)  $9a^2 - 20a + 4$

7)  $5x^2 + 15x$

8)  $3n^2 + 15n + 12$

## Factoring Quadratic D2

Date \_\_\_\_\_ Period \_\_\_\_\_

**Factor each completely.**

1)  $b^2 + 17b + 72$

$(b + 9)(b + 8)$

3)  $3n^2 - 11n - 20$

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

5)  $4r^2 - 12r + 9$

$(2r - 3)^2$

7)  $5x^2 + 15x$

$5x(x + 3)$

2)  $k^2 - 10k$

$k(k - 10)$

4)  $5m^2 + 6m - 8$

$(5m - 4)(m + 2)$

6)  $9a^2 - 20a + 4$

$(a - 2)(9a - 2)$

8)  $3n^2 + 15n + 12$

$3(n + 4)(n + 1)$