

## Factoring Trinomials HW

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

**Factor each completely.**

1)  $m^2 + 10m$

2)  $v^2 + 9v + 8$

3)  $n^2 - 4n + 4$

4)  $3x^2 - 27x - 30$

5)  $r^2 + 10r + 9$

6)  $30k^2 + 48k - 24$

7)  $7x^2 + 10x + 3$

8)  $3x^2 + 5x - 8$

9)  $7b^2 - 69b + 54$

10)  $20n^2 - 96n + 108$

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

**Factor each completely.**

1)  $m^2 + 10m$

$m(m + 10)$

2)  $v^2 + 9v + 8$

$(v + 1)(v + 8)$

3)  $n^2 - 4n + 4$

$(n - 2)^2$

4)  $3x^2 - 27x - 30$

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

5)  $r^2 + 10r + 9$

$(r + 1)(r + 9)$

6)  $30k^2 + 48k - 24$

$6(5k - 2)(k + 2)$

7)  $7x^2 + 10x + 3$

$(7x + 3)(x + 1)$

8)  $3x^2 + 5x - 8$

$(3x + 8)(x - 1)$

9)  $7b^2 - 69b + 54$

$(7b - 6)(b - 9)$

10)  $20n^2 - 96n + 108$

$4(5n - 9)(n - 3)$