

Factoring Trinomials (a = 1)

Factor each completely.

$$1) b^2 + 8b + 7$$

$$(b+7)(b+1)$$

$$2) n^2 - 11n + 10$$

$$(n-10)(n-1)$$

$$3) m^2 + m - 90$$

$$(m-9)(m+10)$$

$$4) n^2 + 4n - 12$$

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

$$5) n^2 - 10n + 9$$

$$(n-9)(n-1)$$

$$6) b^2 + 16b + 64$$

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

$$(b+8)^2$$

5

$$7) m^2 + 2m - 24$$

$$(m-4)(m+6)$$

$$8) x^2 - 4x + 24$$

$$(x-6)(x+4) \frac{24}{-6 \cdot 4}$$

$$9) k^2 - 13k + 40$$

$$(k-5)(k-8)$$

$$10) a^2 + 11a + 18$$

$$(a+9)(a+2)$$

$$11) n^2 - n - 56$$

$$(n+7)(n-8)$$

$$12) n^2 - 5n + 6$$

$$(n-6)(n+1)$$