

Factoring Quadratic Expressions

Factor each completely.

$$1) x^2 - 7x - 18$$
$$(x - 9)(x + 2)$$

$$2) p^2 - 5p - 14$$
$$(p + 2)(p - 7)$$

$$3) m^2 - 9m + 8$$
$$(m - 1)(m - 8)$$

$$4) x^2 - 16x + 63$$
$$(x - 9)(x - 7)$$

$$5) 7x^2 - 31x - 20$$
$$(7x + 4)(x - 5)$$

$$6) 7k^2 + 9k$$
$$k(7k + 9)$$

$$7) 7x^2 - 45x - 28$$
$$(7x + 4)(x - 7)$$

$$8) 2b^2 + 17b + 21$$
$$(2b + 3)(b + 7)$$

$$9) 5p^2 - p - 18$$
$$(5p + 9)(p - 2)$$

$$10) 7x^2 - 32x - 60$$
$$(7x + 10)(x - 6)$$