

Name:

UNIT 7 DAY 23
STUDY GUIDE



Factor the following:

$$x^2 + 3x - 18$$

$$(x+6)(x-3)$$

Handwritten work for factoring $x^2 + 3x - 18$ using the AC method. A bracket under $(x+6)(x-3)$ is labeled $6x$. Below it, $-3x$ is written over $3x$.

$$n^2 + 6n + 8$$

$$(n+2)(n+4)$$

$$x^2 - 10x + 16$$

$$(x-8)(x-2)$$

$$x^2 + 13x + 40$$

$$(x+8)(x+5)$$

$$5m^2 + 8m + 3$$

$$(5m+3)(m+1)$$

$$3x^2 - 10x + 3$$

$$(3x-1)(x-3)$$

$$5p^2 - 8p - 4$$

$$(5p+2)(p-2)$$

Handwritten work for factoring $5p^2 - 8p - 4$ using the AC method. A bracket under $(5p+2)(p-2)$ is labeled $2p$. Below it, $-10p$ is written over $-8p$.

$$7x^2 + 18x + 11$$

$$(7x+11)(x+1)$$

Handwritten work for factoring $7x^2 + 18x + 11$ using the AC method. A bracket under $(7x+11)(x+1)$ is labeled $11x$. Below it, $7x$ is written over $18x$.

$$2x^2 - x - 15$$

$$(2x+5)(x-3)$$

Handwritten work for factoring $2x^2 - x - 15$ using the AC method. A bracket under $(2x+5)(x-3)$ is labeled $5x$. Below it, $-6x$ is written over $-1x$.

$$2x^2 - 7x + 5$$

$$(2x-5)(x-1)$$

Handwritten work for factoring $2x^2 - 7x + 5$ using the AC method. A bracket under $(2x-5)(x-1)$ is labeled $-5x$. Below it, $-2x$ is written over $-7x$.