Solve $x^2 - 7x + 10 = 0$

$x = $ ....

or $x = $ ....

(3)

Solve $x^2 + 8x - 9 = 0$

$x = $ ....

or $x = $ ....

(3)

Algebra - Quadratic Equations

Solve $x^2 - 7x + 10 = 0$

$$(x-2)(x-5) = 0$$

Either $x - 2 = 0$

$$\underline{x = 2}$$

or $x - 5 = 0$

$$\underline{x = 5}$$

$x =$ .... 2 ....

or $x =$ .... 5 ....

(3)

factors of $+10$

$+1$	$+10$
-1	-10
$+2$	$+5$
-2	-5 ✓

Solve $x^2 + 8x - 9 = 0$

$$(x-1)(x+9) = 0$$

Either $x - 1 = 0$

$$\underline{x = 1}$$

or $x + 9 = 0$

$$\underline{x = -9}$$

$x =$ .... 1 ....

or $x =$ .... -9 ....

(3)

factors of -9

$+1$	-9
-1	$+9$ ✓
$+3$	-3