

Name : \_\_\_\_\_

## Quadratic Equation | Factoring

ES3

Solve each quadratic equation using factoring.

1)  $h^2 + 3h = 54$

2)  $k^2 - 13k + 40 = 0$

3)  $d^2 - 16 =$  \_\_\_\_\_  $-10q$

5)  $n(n - 6) =$  \_\_\_\_\_  $= 0$

7)  $u^2 - 14 =$  \_\_\_\_\_  $0$

9)  $v^2 = 144$

10)  $p(p + 2) = 3$

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## Answer key

ES3

### Quadratic Equation | Factoring

Solve each quadratic equation using factoring.

1)  $h^2 + 3h = 54$

$h = -9; h = 6$

2)  $k^2 - 13k + 40 = 0$

$k = 5; k = 8$

3)  $d^2 - 16 = -10q$

$d = \pm 4$

5)  $n(n - 6) = 0$

$n = -5;$

7)  $u^2 - 14 = 0$

$u = -7; u = 7$

9)  $v^2 = 144$

$v = \pm 12$

10)  $p(p + 2) = 3$

$p = -3; p = 1$

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