

Practice 2

Use what you learned in Practice 1 to help you factor the following quadratic expression: $x^2 + 8x + 7$

Practice 3

Factor the following quadratic expressions:

a.) $m^2 + m - 90$

b.) $k^2 - 13k + 40$

c.) $v^2 + 99v - 100$

Practice 4

Sometimes the first step in factoring is to see if there is a common factor you can take out first.

- Find the greatest common factor of the expression and factor it out: $2x^3 - 50x$
- What is your new expression?
- Can you factor what is left inside the parentheses into a binomial?

Practice 5

First factor out the GCF, then factor it further: $-16t^2 + 32t + 48$

Exit Ticket

- First, factor each trinomial as the product of two binomials. Then check your answer by multiplying.
 - $x^2 + 3x + 2$ Check your work:
 - $x^2 - 8x + 15$ Check your work:
 - $x^2 + 8x + 15$ Check your work:
- Factor each expression completely.
 - $4m^2 - 4n^2$
 - $-2x^3 - 2x^2 + 112x$