

rewrite in factored form:

sum of squares 10^2

$$f(x) = x^2 + 100$$

$$f(x) = (x - 10i)(x + 10i)$$

warm-up

difference of squares

$$g(x) = x^2 - 100$$

$$g(x) = (x - 10)(x + 10)$$

2-3

perfect square trinomial

$$h(x) = x^2 - 20x + 100$$

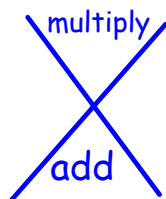
$$h(x) = (x - 10)^2$$

$$p(x) = x^2 + 15x - 100$$

$$p(x) = (x - 5)(x + 20)$$

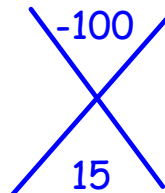
small
big

multiply



add

-100



15