

Factor the following.

1.  $x^2 - 49$

$(x+7)(x-7)$

2.  $x^2 + 36$

Prime

3.  $9x^2 - 16$

$(3x+4)(3x-4)$

4.  $x^2 - 1$

$(x+1)(x-1)$

5.  $64x^2 - 9$

$(8x+3)(8x-3)$

6.  $144x^2 - 169$

$(12x+13)(12x-13)$

7.  $12x^2 - 8$

$4(3x^2 - 2)$

8.  $18x^2 - 8$

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

9.  $50x^2 + 8$

$2(25x^2 + 4)$

10.  $16x^2 - 9$

$(4x+3)(4x-3)$

11.  $x^2 - 121$

$(x+11)(x-11)$

12.  $25x^2 - 9$

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

