

Warm-up #1: Factoring

1. $k^2 - 12k + 32$

$(k-8)(k-4)$

2. $25a^2 - 4$

$(5a+2)(5a-2)$

3. $2x^3 - 6x^2 - 5x + 15$

$2x^2(x-3) - 5(x-3)$

$(x-3)(2x^2-5)$

4. $-4a^2 - 8a + 32$

$-4(a^2 + 2a - 8)$

$-4(a+4)(a-2)$