

Warm-up #1: Factoring

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

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

2. $25a^2 - 4$ DOTS

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

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

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

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

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

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

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