

## Warm-up #2: Factoring

1.  $4k^2 - 36k + 80$

$$4(k^2 - 9k + 20)$$

$$\boxed{4(k-5)(k-4)}$$

2.  $9x^2 - 16y^2$

$$\boxed{(3x-4y)(3x+4y)}$$

3.  $p^3 - 2p^2 + 4p - 8$

$$p^2(p-2) + 4(p-2)$$

$$\boxed{(p^2+4)(p-2)}$$

4.  $-2a^2 + 10a + 72$

$$-2(a^2 - 5a - 36)$$

$$\boxed{-2(a-9)(a+4)}$$