

No Bellwork  
03/29/12  
Review 12.4

$$\frac{5t^2 - 125}{5}$$

$$\frac{5t^2}{5} + \frac{-125}{5}$$

$$5(t^2 - 25)$$

$$5(t+5)(t-5)$$

$$\underline{x^2} + 9x + \underline{8}$$

$$(x+8)(x+1)$$

$$\underline{x^2} + 17x + \underline{16}$$

$$(x+1)(x+16)$$

$$\frac{2t^2 - 44t + 242}{2}$$

$$\frac{2t^2}{2} + \frac{-44t}{2} + \frac{242}{2}$$

$$2(t^2 - 22t + 121)$$

$$2(t-11)(t-11)$$

$$2(t-11)^2$$

$$2(11 \cdot t)$$

$$2(t^2 - 22t + 121)$$

$$2(t-11)^2$$

$$169 - t^2$$

$$\frac{-t^2 + 169}{-1}$$

$$\frac{-t^2}{-1} + \frac{169}{-1}$$

$$-1(t^2 - 169)$$

$$-1(t+13)(t-13)$$

## In-Class Problems

1.  $4t^2 + 32t + 64$

2.  $3t^2 - 75$

3.  $196 - t^2$