

Simplify Warm up

$$1. \quad \overbrace{1(x^2 - 5x + 6)} - \overbrace{1(2x^2 - 8x + 2)}$$

$$x^2 - 5x + 6 - 2x^2 + 8x - 2$$

$$-x^2 + 3x + 4$$

$$2. \quad \overbrace{-(a + 3a^2 - 1)} - \overbrace{(-5a^2 + 3)}$$

$$-a - 3a^2 + 1 + 5a^2 - 3$$

$$2a^2 - a - 2$$

$$3. \quad \overbrace{1(3x^2 + 6x - 5)} - \overbrace{2(2x^2 - 7x + 1)}$$

$$3x^2 + 6x - 5 - 4x^2 + 14x - 2$$

$$-x^2 + 20x - 7$$

Page 234 : #5 and #6

Page 235 : #7 TO #10, #12 and #13

Page 236 : #15 TO #17

$$9. a) \quad 4n + 2500 - (2n + 2100)$$

$$= 4n + 2500 - 2n - 2100$$

$$= 2n + 400$$

$$b) \quad 2n + 400 = 2(3000) + 400$$

$$= 6000 + 400$$

$$= 6400$$