

Warm-up 2/27/17

Rewrite using the distributive property.

1. $4(3 + 6) = 4(3) + 4(6) = 12 + 24 = 36$

2. $-5(x + 7) = -5x - 35$

3. $x(-2 - 9) = -2x - 9x = -11x$

4. $x(8 + x) = x(8) + x(x) = 8x + x^2$

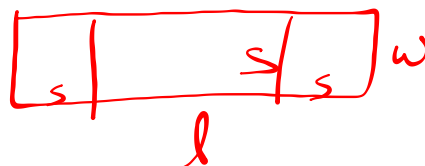
Pg. 858-859

1.

a.

 s

b. $100 - 2s$



c. $s(100 - 2s)$

2. $100s - 2s^2$

3. $-2s^2 + 100s$

a: -2

b: 100

c: 0

Pg. 860-861

$$A(x) = -2x^2 + 100x$$

9. $(25, 1250)$

10. 25×50

Pg. 862-863

$$2 \cdot \frac{1}{2}$$

$$3 \cdot \frac{2}{2}$$

$$4 \cdot \frac{3}{2}$$

$$5 \cdot \frac{4}{2}$$

$$6 \cdot \frac{5}{2}$$

$$\dots \cdot \frac{6}{2}$$

$$n \cdot \frac{n-1}{2}$$

$$\frac{n^2 - n}{2}$$

$$\frac{1}{2}n^2 - \frac{1}{2}n$$

