1. Simplify. Give answer in Standard Form.

$5x^2(3x^2 - x + 4) - 2x(7x^3 + 8x^2 - 3x + 5)$

2. Factor. $81a^4b^3c + 48a^2b^5c^4 - 42ab^6c^7$

3. Expand each. Write answer in Standard Form.
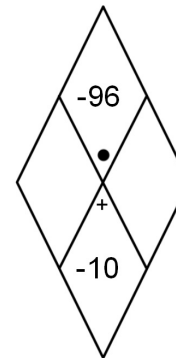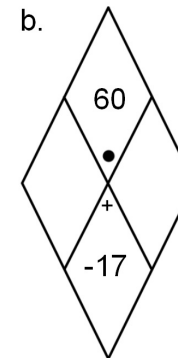
a) $(c + 5)(c - 8)$ b) $(4k - 1)(2k + 7)$

c) $(y - 6)^2$

4. Find 2 #'s that multiply to the top# and add to the bottom#.

a.

-96

+

-10

b.

60

+

-17

c.

36

+

20