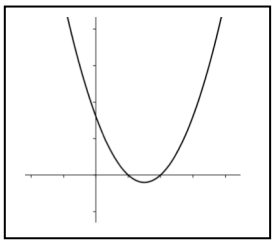
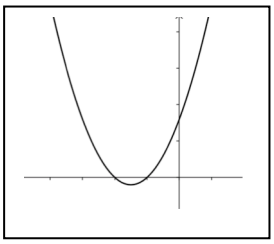
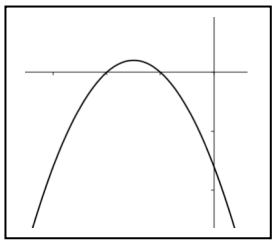
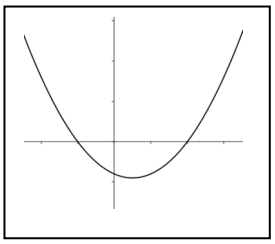
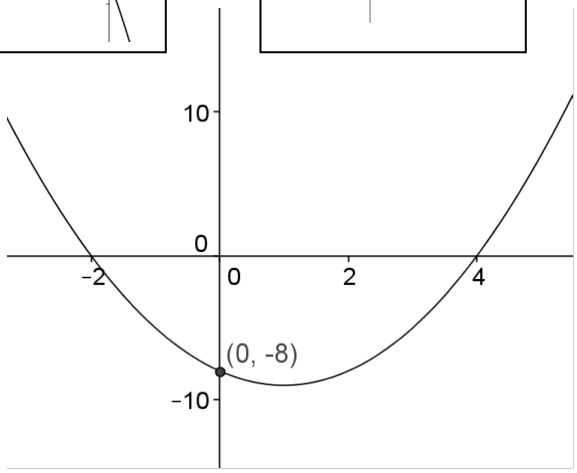
Quadratics 3c – Factoring ***#1 is Christmas!!!**
Solving Quadratics by Factoring ***Do 2-8 on a separate sheet of paper**
Homework #12 **in Power HW Format**

1. Which of the following could be a graph of f(x) = 2(x + 4)(x + 2)? Note: there may be more than one answer. Circle the correct answer(s).

2. Find the symbolic representation for the following quadratic function and write both coordinates of the vertex on the graph to the right.



Solve.

3. $x^2 - 3x - 4 = 0$

4. $x^2 + 19x + 88 = 0$

5. $5x^2 - 13x + 6 = 0$

6. $40a^2 + 4a = 0$

7. $5p^2 - 25 = 4p^2 + 24$

8. $2q^2 + 4q - 1 = 7q^2 - 7q + 1$