Factor each polynomial.

1.
$$x^2 + 8x + 7$$

1._____

2.
$$x^2 - 10x + 25$$

2._____

3.
$$x^2 + 7x - 60$$

3._____

4.
$$x^2 - 7x - 18$$

4.____

5.
$$x^2 - 16x + 48$$

5.____

6. Explain how you would factor #5.

- 7. In the answer column, list the correctly factored steps of $x^2 4x 12$ by their letter.
 - A. 1, 12
 - 2, 6
 - 3, 4

B.
$$(x-6)(x+2)$$

C.
$$= -12x^2$$

 $= -4x$

D.
$$(x^2 - 6x)(+2x - 12)$$

E.
$$2x \cdot -6x = -12x^2$$

 $2x + -6x = -4x$

F.
$$x^2 - 6x + 2x - 12$$

G.
$$x(x-6)+2(x-6)$$

Answer Column
