**SWBAT evaluate algebraic expressions.**
Evaluate each of the following for the given value. Show all work to receive full credit.

17. \(6x + 4; x = -1\)
   \[6(-1) + 4 = -2\]

18. \(-3(2x + 9); x = 2\)
   \[-3(2(2) + 9) = -3(13) = -39\]

19. \(4x^2 - 2x + 5; x = 3\)
   \[4(3)^2 - 2(3) + 5 = 39\]

**SWBAT solve quadratic equations by factoring using the grouping method.**
Factor each of the following. Show all work to receive full credit.

20. \(x^2 + 13x + 30\)
   \[a = 1, b = 13, c = 30\]
   \[(x + 3)(x + 10)\]

21. \(x^2 - 5x + 6\)
   \[a = 1, b = -5, c = 6\]
   \[(x - 2)(x - 3)\]

22. \(3x^2 - 10x - 8\)
   \[a = 3, b = -10, c = -8\]
   \[(3x^2 - 12x + 2x - 8)\]
   \[3(x - 4)(x + 2)\]

**Solve each of the following by factoring. Show all work to receive full credit.**

23. \(x^2 + 5x - 24 = 0\)
   \[a = 1, b = 5, c = -24\]
   \[(x - 3)(x + 8) = 0\]
   \(x - 3 = 0\), \(x + 8 = 0\)
   \(x = 3, x = -8\)

24. \(5x^2 + 17x + 6 = 0\)
   \[a = 5, b = 17, c = 6\]
   \(5x(x + 3) + 2(x + 3) = 0\)
   \((x + 3)(5x + 2) = 0\)
   \(x + 3 = 0\), \(5x + 2 = 0\)
   \(x = -3, x = -\frac{2}{5}\)