M10 - 5.2 - Identifying "a", "b" and "c" in Polynomials HW

General form: $ax^2 + bx + c$

$3x^2 + 10x + 5$

$a = 3$

$b = 10$

$c = 5$

$1y^2 - 4y + 6$

$a = $ _____

$b = $ _____

$c = $ _____

$4x^2 - 4x - 24$

$a = $ _____

$b = $ _____

$c = $ _____

$x^2 - 3x + 2$

$a = 1$

$b = -3$

$c = 2$

$2t - 3t^2 + 9$

$a = $ _____

$b = $ _____

$c = $ _____

$13 - x^2 - 6x$

$a = $ _____

$b = $ _____

$c = $ _____

$15s - 2s^2 + 18$

$a = -2$

$b = 15$

$c = 18$

$x^2 + 2x + 5$

$a = $ _____

$b = $ _____

$c = $ _____

$21 + 7x^2 - 8x$

$a = $ _____

$b = $ _____

$c = $ _____

$-2n^2 + 18$

$a = -2$

$b = 0$

$c = 18$

$7x - x^2$

$a = $ _____

$b = $ _____

$c = $ _____

$t^2 - 5t + 3$

$a = $ _____

$b = $ _____

$c = $ _____

$\frac{1}{2}b^2 - 4b + 7$

$a = \frac{1}{2}$

$b = -4$

$c = 7$

$\frac{3}{4}x + x^2$

$a = $ _____

$b = $ _____

$c = $ _____

$\frac{x}{2} + x^2$

$a = $ _____

$b = $ _____

$c = $ _____

M10 - 5.2 - Factoring $x^2 + bx + c$ "$a = 1$" HW

Factor the following

$x^2 + 5x + 6$ _____ X _____ =   Check by foil:

_____ + _____ =

$x^2 + 6x + 8$ _____ X _____ =

_____ + _____ =

$x^2 + 7x + 12$ _____ X _____ =

_____ + _____ =

$x^2 + 3x - 4$ _____ X _____ =

_____ + _____ =

$x^2 + 4x + 3$ _____ X _____ =

_____ + _____ =

$x^2 - 3x - 18$ _____ X _____ =

_____ + _____ =

$x^2 - 11x + 24$ _____ X _____ =

_____ + _____ =

$x^2 + x - 30$ _____ X _____ =

_____ + _____ =

$x^2 - 2x - 4$ _____ X _____ =

_____ + _____ =

$x^2 - 13x - 30$ _____ X _____ =

_____ + _____ =

$x^2 - 13x + 30$ _____ X _____ =

_____ + _____ =

M10 - 5.2 - Factoring $x^2 + bx + c$ "$a = 1$" HW

Factor the following

$x^2 + 15x + 54$ _____ X _____ =   Check by foil:

                              _____ + _____ =

$x^2 + 13x + 40$ _____ X _____ = $x^2 + 5x - 24$ _____ X _____ =

                              _____ + _____ =   _____ + _____ =

$x^2 - 13x + 36$ _____ X _____ = $x^2 + 12x + 27$ _____ X _____ =

                              _____ + _____ =   _____ + _____ =

$x^2 + 10x + 24$ _____ X _____ = $x^2 - 11x + 28$ _____ X _____ =

                              _____ + _____ =   _____ + _____ =

$x^2 - 10x + 21$ _____ X _____ = $x^2 - 16x + 12$ _____ X _____ =

                              _____ + _____ =   _____ + _____ =