

Name: _____

Date: _____

Learning Goal 1.2Factor trinomials of the form $ax^2 + bx + c$.**Assignment**

1. Factor. What patterns do you see in the trinomials and their factors?

a. $2n^2 + 13n + 6$ and $2n^2 - 13n + 6$	b. $2n^2 + 11n - 6$ and $2n^2 - 11n - 6$	c. $2n^2 + 7n + 6$ and $2n^2 - 7n + 6$
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2. Factor.

a. $2y^2 + 5y + 2$	b. $2a^2 + 11a + 12$	c. $2k^2 + 13k + 15$	d. $2m^2 - 11m + 12$
e. $2k^2 - 11k + 15$	f. $2m^2 + 15m + 7$	g. $2g^2 + 15g + 18$	h. $2n^2 + 9n - 18$
i. $5a^2 - 7a - 6$	j. $3y^2 - 13y - 10$	k. $5s^2 + 19s - 4$	l. $14c^2 - 19c - 3$
m. $8a^2 + 18a - 5$	n. $8r^2 - 14r + 3$	o. $6d^2 + d - 5$	p. $15p^2 - 7p - 2$
q. $20r^2 + 70r + 60$	r. $15a^2 - 65a + 20$	s. $18h^2 + 15h - 18$	t. $24u^2 - 72u + 54$
u. $12m^2 - 52m - 40$	v. $24g^2 - 2g - 70$	w. $14y^2 - 13y + 3$	x. $10p^2 - 17p - 6$
y. $10r^2 - 33r - 7$	z. $15g^2 - g - 2$	aa. $4x^2 + 4x - 15$	bb. $9d^2 - 24d + 16$
cc. $9t^2 + 12t + 4$	dd. $40y^2 + y - 6$	ee. $24c^2 + 26c - 15$	ff. $8x^2 + 14x - 15$