1. $a^2 + 10a + 24$

4. $g^2 - 2g - 63$

7. $b^2 + 4b - 32$

10. $z^2 - 11z + 30$

(1) $(x+6)(x+4)$

	x	6
x	x^2	$6x$
4	$4x$	24

(4)

	g	-9
g	g^2	$-9g$
7	$7g$	-63

$-2g$

$(g+7)(g-9)$.

(7) $b^2+4b-32$

	b	8
b	b^2	$8b$
-4	$-4b$	-32

$(b+8)(b-4)$

(10)

	z	-5
z	z^2	$-5z$
-6	$-6z$	30

$(z-5)(z-6)$

13. $a^2 - a - 56$

15. $32 + 18r + r^2$

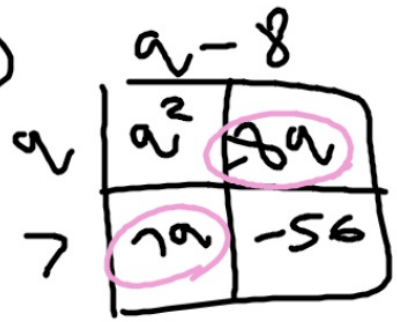
1. $a^2 + 10a + 24$

4. $g^2 - 2g - 63$

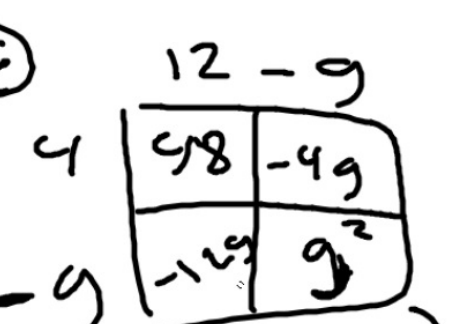
7. $b^2 + 4b - 32$

10. $z^2 - 11z + 30$

13



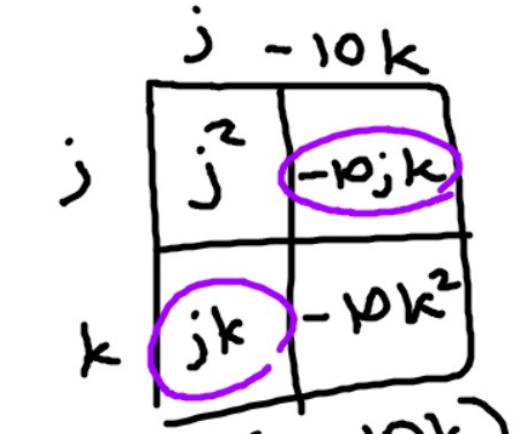
16



$(4-g)(12-g)$

15. $32 + 18r + r^2$

17



$(j+k)(j-10k)$

17. $j^2 - 9jk - 10k^2$

$(w-10)(w+26)=0$

$w-10=0$

$w=10$

doesn't make sense

$w+26=0$

$w=-26$

	w	-10
w	w^2	$-10w$
26	$26w$	-260

$w-10$

$w26x10$

32. CONSTRUCTION A construction company is planning to pour concrete for a driveway. The length of the driveway is 16 feet longer than its width w.

ex traneous

a. Write an expression for the area of the driveway.

b. Find the dimensions of the driveway if it has an area of 260 square feet.

width is 10

a) $A=(w+16)(w)$

$A=w^2+16w$

b) $260=w^2+16w$

$-260 \quad -260$

$w^2+16w-260=0$