PREVIEW

- 1. $x^2 11x + 30$
- 2. $x^2 16$
- 3. $18-2x^2$
- 4. $2x^2 + 15x 8$

Preview 8

PREVIEW

Factor.

1.
$$x^2 - 11x + 3$$

Pactor.
1.
$$x^2 - 11x + 30$$
 $\rho = 30$ $s = -11$ $s = -11$

chuk:
$$(x-5)(x-6)$$

= $x^2-6x-5x+30$
= $x^2-11x+30$

2.
$$x^2-16$$

(profect) - (profect)
 $= (X)^2 - (4)^2$
 $= (X + H)(X - H)$

check:
$$(x+4)(x-4)$$

= $x^2 - 4x + 4x - 16$
= $x^2 - 16$

3.
$$18-2x^2$$

= $2(9-x^2)$
= $2(3-x)(3+x)$

chuk:
$$2(3-x)(3+x)$$

= $2(9+3x-3x-x^2)$
= $2(9-x^2)$
= $18-2x^2$

4.
$$2x^2 + 15x - 8$$
 $AC = 2 \cdot -8$
= -16

$$= 2x^{2} + 16x - 1x - 8$$

$$= 2x(x+8) - 1(x+8)$$

chuk:
$$(x+8)(2x-1)$$

= $2x^2-x+16x-8$
= $2x^2+15x-8$