25.
$$(x+1)(x^2-6x+2)$$

26.
$$(y+3)(4y^2+5y+20)$$

- 27. A four-sided polygon has sides that measure (2x + 1), (4x 10), $(3x^2 x + 1)$ and $(6x^2 - 50x + 25)$. What is the perimeter of the polygon, in terms of x?
- 28. What is the area of a rectangle with length (6x + 2) inches and width (2x + 10) inches? Write your answer as an expression in terms of x.
- 29. There is an error in the student work below.

ere is an error in the student work below.

$$(4x^3 + 4x^2 - 8x) - (8x^2 - 16x + 4) =$$

$$= 4x^3 + 4x^2 - 8x - 8x^2 - 16x - 4$$

$$= 4x^3 + 12x^2 - 24x - 4$$
et is the error?

What is the error?

30. There is an error in the student work shown below:

Question: Simplify
$$(x-9)(x-2)$$
.

Solution:

$$(x-9)(x-2)$$

 $x \cdot x + 2 \cdot x - 9 \cdot x + 18$
 $x^2 - 7x + 18$

Challenge: $(x^2 - 6x + 2)(x^2 + 3x + 2)$