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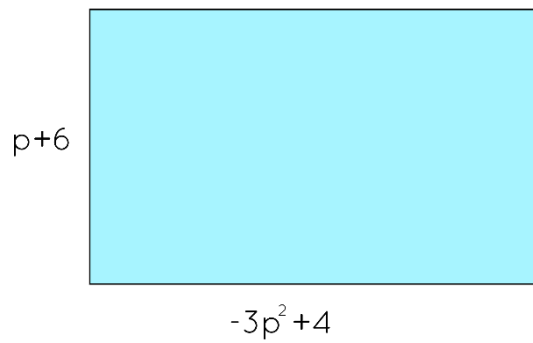
## Multiplying Monomials and Polynomials Worksheets - 4

Find the product of the three monomials

1.  $25mn^2p^5$ ,  $4m^3n^2p^2$  and  $2mnp^2$
2.  $4xy^2$ ,  $3x^2y$  and  $5xy$
3.  $x^5$ ,  $15y^2x^5$  and  $xyz$
4.  $(-2b^2c)$ ,  $(-2bc)$  and  $11c^2b$
5. Multiply  $(-5p^3q^2)$  by  $(-8p^3q^5)$
6. What must be multiplied to  $\frac{x^3a}{b^5y^2}$  so that it makes it a perfect square?
7.  $k$  times  $(3 + a^2 - 7a)$  becomes  $(6p + 2pa^2 - 14pa)$ . Find the value of  $k$ .
8. Evaluate:

$$\frac{(a+b+c)\{(a-b)^2 + (b-c)^2 + (c-a)^2\}}{2}$$

9. If the length and width of the rectangle are  $(-3p^2 + 4)$  and  $(p + 6)$  respectively. Find the area of the rectangle.



10. If the price of a commodity is  $\$(x^2 - 4x + 4)$  and Amy have to buy  $(x - 1)$  pieces of it. How much must Amy pay for it?

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