

**Answer Key**

(01).  $y(3x + 5)$   
 $y \times 3 \times x + y \times 5$   
 **$3xy + 5y$**

(02).  $2y(3x + 5)$   
 $2 \times y \times 3 \times x + 2 \times y \times 5$   
 **$6xy + 10y$**

(03).  $(-y)(x + 1)$   
 $(-1) \times y \times 3 \times x + (-1) \times y \times$   
 **$-xy - y$**

(04).  $(-2y)(5x + 4)$   
 $(-2) \times y \times 5 \times x + (-2) \times y \times 4$   
 **$-10xy - 8y$**

(05).  $3x(2y + 1)$   
 $3 \times x \times 2 \times y + 3 \times x \times 1$   
 **$6xy + 3x$**

(06).  $x(8y - 1)$   
 $x \times 8 \times y - x \times 1$   
 **$8xy - x$**

(07).  $3q(4p - 7)$   
 $3 \times q \times 4 \times p - 3 \times q \times 7$   
 **$12pq - 21q$**

(08).  $(-3q)(4p + 8)$   
 $(-3) \times q \times 4 \times p + (-3) \times q \times 8$   
 **$-12pq - 24q$**

(09).  $2x(4p + 5y)$   
 $2 \times x \times 4 \times p + 2 \times x \times 5 \times y$   
 **$8px + 10xy$**

(10).  $2p(4p + 5y)$   
 $2 \times p \times 4 \times p + 2 \times p \times 5 \times y$   
 **$8p^2 + 10py$**

(11).  $2y(5y - 3x)$   
 $2 \times y \times 5 \times y - 2 \times y \times 3 \times x$   
 **$10y^2 - 6xy$**

(12).  $2q(xq - z)$   
 $2 \times q \times x \times q - 2 \times q \times z$   
 **$2pqx - 2qz$**

(13).  $(-2q)(x - 4zq)$   
 $(-2) \times q \times x - (-2) \times q \times 4 \times z \times q$   
 **$-2qx + 8q^2z$**

(14).  $(-3q)(p + 8)$   
 $(-3) \times q \times p + (-3) \times q \times 8$   
 **$-3pq - 24q$**

(15).  $(-2x)(3 - 2y)$   
 $(-2) \times x \times 3 - (-2) \times x \times 2 \times y$   
 **$-6x + 4xy$**

(16).  $(-5m)(x - 2y)$   
 $(-5) \times m \times x - (-5) \times m \times 2 \times y$   
 **$-5mx + 10my$**