

**1.**  $5y(4 + 4y) = 4 \times 5y + 4y \times 5y = 20y + 20y^2$

**2.**  $(-4z - 1)(-5z) = -4z \times (-5z) - 1 \times (-5z) = 20z^2 + 5z$

**3.**  $(5 + 6y)(-4y) = 5 \times (-4y) + 6y \times (-4y) = -20y - 24y^2$

**4.**  $-5z(-3 + 5z) = -3 \times (-5z) + 5z \times (-5z) = 15z - 25z^2$

**5.**  $(-2 + 6x)2x = -2 \times 2x + 6x \times 2x = -4x + 12x^2$