Algebra lesson 4: Expanding quiz answers

Q1) $4(x + 3) = \textcolor{red}{4x + 12}$

Q2) $9(2x - 2) = \textcolor{red}{18x - 18}$

Q3) $5x(x - 2y) = \textcolor{red}{5x^2 - 10xy}$

Q4) $x^2(2 + xy) = \textcolor{red}{2x^2 + x^3y}$

Q5) $4xy(3w - 5x) = \textcolor{red}{12wxy - 20x^2y}$

Q6) $-5x(3y - 4x) = \textcolor{red}{-15xy + 20x^2}$

Q7) $x^2y^2(2xy - 3x) = \textcolor{red}{2x^3y^3 - 3x^3y^2}$

Q8) The length of a rectangle is 3cm longer than its width. Let the width of the rectangle be x. Write an expression for the area of the rectangle.

A = area of the rectangle
$x = width\ of\ the\ rectangle$
A $= x(3 + x)$