



Warm Up Grade 9



Determine the product or the quotient.

a) $(9r^3xy)(4r^2y - 2x)$

b) $(-7m^4n^2 + 2mn - 10n^2)(-3mn)$

$$\begin{aligned}
 & 36r^5xy^2 - 18r^3x^2y \\
 & + 30mn^3 \\
 & - 6m^2n^2 \\
 & + 21m^5n^3
 \end{aligned}$$

c) $\frac{80t^5 + 14t^4 - 18t}{-2t}$

$$\frac{80t^5}{-2t} + \frac{14t^4}{-2t} - \frac{18t}{-2t} = -40t^4 - 7t^3 + 9$$

d) $(3x^2 - 12x + 7) - (5x^2 - 12x - 8)$

$$\boxed{3x^2} - \boxed{12x} + 7 - \boxed{5x^2} + \boxed{12x} + 8$$

e) $(-12x^2 + 6x - 5) + (4x^2 - 8x - 1) - 2x^2 + 15$

$$\boxed{-12x^2} + \boxed{6x} - \boxed{5} + \boxed{4x^2} - \boxed{8x} - \boxed{1}$$

$$-8x^2 - 2x - 6$$



Class/Homework



Page 246 - 247

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11acf

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page

255-257

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