

Gr. Math 7th Grade - HW 11, October 14-2022, Mr Alexandropoulos

Do the following multiplications and justify your answer by presenting your work in detail!

1. $-\frac{4}{5}ab^2 \cdot (-25bay + 5a^2b^2 - 10y)$

2. $(3x^2 - 4xy - \frac{2}{3}z) \cdot (-xyz)$

3. $-4x^2y^3 \cdot (\frac{3}{2}x - 3x^2y^4 - \frac{1}{4}y^2xz)$

4. $\frac{7}{3}a^3b^2y^5 \cdot (-\frac{3}{7}ab + 21x^2ba^3 - \frac{6}{14}a^2b^3y)$

5. $(x-1) \cdot (\frac{2}{3}x - 2x^2 - 4)$

6. $(x-2y) \cdot (-xy - \frac{2}{3}x^2y^2 + \frac{1}{4}y^3)$

7. $(3+y) \cdot (\frac{1}{3}x - \frac{5}{6}y - \frac{2}{9}xy)$

8. $(x^2-3a) \cdot (-5ax + \frac{1}{3}x^2a^3 - \frac{2}{3}ax^2)$

Please submit your answers on a separate piece of paper! Please do not use tablets!