

Practice 12.4

Name(s) _____

Add the polynomials.

1) $(8x^2 - 8x + 1) + (-6x^2 - 8x + 4)$

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

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

Subtract the polynomials.

4) $(-20x - 14) - (-11x + 6)$

5) $(-6y^3 + 18y^2) - (10y^3 - 8y^2)$

6) $(y^5 - y^2) - (y^3 - y^2)$

Perform the indicated operations.

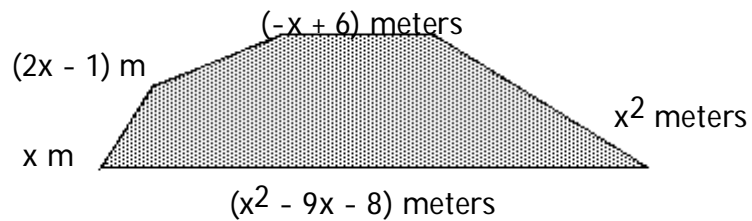
7) $7z - (20 - 4z)$

8) Subtract $(3x - 30)$ from the sum of $(-2x + 6)$ and $(9x - 15)$.

9) Subtract a from $a^3 - 6a - 14$

Solve.

- 10) Given the following quadrilateral, find its perimeter.



Answer Key

Testname: 12.4WKS

1) $2x^2 - 16x + 5$

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

3) $-\frac{1}{4}x^2 + \frac{3}{10}x + \frac{7}{12}$

4) $-9x - 20$

5) $-16y^3 + 26y^2$

6) $y^5 - y^3 - y^2 + y$

7) $11z - 20$

8) $4x + 21$

9) $a^3 - 7a - 14$

10) $(2x^2 - 8x - 3) m$