1. True or False $x^2 - 5\sqrt{x} - 7$ is a polynomial.

A. True

B. False

2. A polynomial containing exactly two terms is a _____.

A. binomial

B. degree

C. coefficient

D. monomial

E. trinomial

3. For the polynomial $n^4 - 2n^3 - n^2 + 4$, the coefficient on n^3 is

A. -2

B. 1

C. 4

D. 2

E. -4

F. -1

G. 0

4. Add the polynomials. $(-4v^3 - 2v^2 + 8v - 6) + (-9v^3 + 5v^2 + 9v - 1)$

A. $-13v^3 + 3v^2 + 13v - 7$

B. $-13v^3 + 3v^2 + 17v - 12$

C. $-7v^3 + 3v^2 + 17v - 7$

D. $-13v^3 + 6v^2 + 17v - 7$

E. $-13v^3 + 3v^2 + 17v - 7$

5. Subtract the polynomials. $(6z + 8) - (-3z^2 - 7z)$

A. $-8z^4 + 6z^3 + 3z^2 + 13z + 8$

B. $-8z^4 - 6z^3 + 13z + 8$

C. $3z^2 + 8z + 8$

D. $3z^2 + 13z + 4$

E. $-3z^2 + 13z + 8$

F. $3z^3 + 3z^2 + 13z + 8$

G. $3z^2 + 13z + 8$

H. $8z^4 + 3z^2 + 13z + 8$

6. Subtract the polynomials. $(-9u) - (-5u + 8)$

A. $-10u - 8$

B. $-4u - 8$

C. $-9u^3 - 4u - 8$

D. $-4u^3 - 4u - 8$

E. $-4u - 13$

F. $-4u - 8$

G. $9u^3 - 4u - 8$

H. $-2u^2 - 4u - 8$

7. True or False $x^2 - 5x - 7$ is a polynomial.

A. False

B. True

8. Subtract the polynomials. $(-6\xi^3 + 2\xi^2 - 5\xi + 4) - (6\xi^3 + 8\xi^2 - 8\xi - 2)$

A. $4\xi^4 - 12\xi^3 - 6\xi^2 + 3\xi + 6$

B. $-12\xi^3 - 11\xi^2 + 3\xi + 6$

C. $-12\xi^3 - 6\xi^2 + 2\xi + 6$

D. $-16\xi^3 - 6\xi^2 + 3\xi + 6$

E. $-4\xi^4 - 1\xi^3 + 4\xi^2 + 3\xi + 6$

F. $-12\xi^3 - 6\xi^2 + 3\xi + 6$

G. $-4\xi^4 - 11\xi^3 - 6\xi^2 + 3\xi + 6$

H. $-12\xi^3 - 6\xi^2 + 3\xi + 11$