

Please select the correct answer number for each question. There are more answers than questions. Answers may be repeated.

- 1) **up and down; two turns**
 2) **up and up**
 3)

When a polynomial is written in standard form, the term with the greatest exponent becomes the first term. This exponent is equal to the degree of the polynomial.

- 4) **3rd degree; 4 terms**
- 5) **up and down** Use for question 28
- 6) $\frac{1}{2}x^4 + x - \frac{5}{4}$; **quartic trinomial**
5th degree
- 7)
- 8) **$9c^4$; quartic monomial**
- 9) **negative; 4th degree**
- 10) **480**
- 11) **$12x - 6$; linear binomial**
- 12) **$-726, -126, -6,$
 $114, 714$**
- 13) **$5s^4 - 2s + 1$;
 quartic trinomial**
- 14) **$-3m^3 + 5m^2$; cubic
 binomial**
- 15) **$3x^3$; cubic monomial**
- 16) **-3 ; constant monomial**
- 17) **$-\frac{1}{3}z^5 + 1$; quintic binomial**
- 18) **$-7x^2 + 5x$; quadratic
 binomial**
- 19) **$2x^2 - 1$; quadratic
 binomial**
- 20) **$-x$; linear monomial**
- 21) **$a^5 + a^4 + a^3$; quintic
 trinomial**
- 4th degree; 3 terms**
- 22) **$x^2 - 25$; quadratic
 binomial**
- 23)
- 24) **$-4x^3 + x^2 + 3x$;
 cubic trinomial**

- 25) $5x + 2$; linear binomial
- 26) $2m^2$; quadratic monomial
- 27) $-x^3 + 2$; cubic binomial
- 28) $6x^4 - 1$; quartic binomial
- 29) down and up; two turns
- 30) 5th degree; 3 terms
- 31) $b - 3$; linear binomial
- 32) down and up; no turns
- 33) down and up Use for question 27
- 34) Do not use
- 35) $s^2 + \frac{2}{3}$; quadratic binomial
- 36) positive; 2nd degree
- 37) up and down Use for question 23
- 38) 3rd degree
- 39) Down and Down – Use for question 29
- 40) 4th degree
- 41) positive; 5th degree
- 42) DOWN AND DOWN – Use for question 25
- 43) down and up Use for question 26
- 44) 2nd degree; 2 terms

- 45) $2x^2 + 3x - 4$; quadratic trinomial
The degree is even and the leading coefficient is positive, so the end behavior should be up and up.
- 46) 0 degree; 1 term
- 47) Do not use
- 48) 3rd degree; 3 terms
- 49) $p^2 - 5p + 6$; quadratic trinomial
- 50) use this answer for question 47