



Identify variables, coefficients, constants, and terms

- 1 What does this algebra term mean?

$$2d$$

A $\frac{d}{2}$	B $2 - d$
C 2^d	D $2 + d$
E $2 \times d$	F $\frac{2}{d}$

- 2 Are the boxed terms like terms?

$$-7 - 2x - \boxed{\frac{2}{3}x^2} - \boxed{\frac{8}{3}x^2}$$

A Yes

B No

- 3 Valid rational roots are in the form p/q where p must be a factor of the constant. What is the constant in this polynomial?

$$f(x) = 3x^3 + 6x^2 - 27x - 54$$

A 3	B 6
C -27	D -54

- 4 Which pair of terms are like terms?

$$-3 - \frac{3}{2}x - \frac{8}{3}x$$

A $\boxed{-3} - \frac{3}{2}x - \boxed{\frac{8}{3}x}$	B $\boxed{-3} - \boxed{\frac{3}{2}x} - \frac{8}{3}x$
C $-3 - \boxed{\frac{3}{2}x} - \boxed{\frac{8}{3}x}$	

- 5 Which pair of terms are like terms?

$$8x - \frac{1}{2} + \frac{8}{3}x$$

A $8x - \boxed{\frac{1}{2}} + \boxed{\frac{8}{3}x}$	B $\boxed{8x} - \boxed{\frac{1}{2}} + \frac{8}{3}x$
C $\boxed{8x} - \frac{1}{2} + \boxed{\frac{8}{3}x}$	

- 6 Which pair of terms are like terms?

$$-\frac{1}{2}x - \frac{9}{2} + \frac{3}{2}x$$

A $-\frac{1}{2}x - \boxed{\frac{9}{2}} + \boxed{\frac{3}{2}x}$	B $-\boxed{\frac{1}{2}x} - \boxed{\frac{9}{2}} + \frac{3}{2}x$
C $-\boxed{\frac{1}{2}x} - \frac{9}{2} + \boxed{\frac{3}{2}x}$	

- 7 Which pair of terms are like terms?

$$-\frac{7}{4}x + 4 + \frac{9}{4}x$$

A $-\frac{7}{4}x + \boxed{4} + \boxed{\frac{9}{4}x}$	B $-\boxed{\frac{7}{4}x} + 4 + \boxed{\frac{9}{4}x}$
C $-\boxed{\frac{7}{4}x} + \boxed{4} + \frac{9}{4}x$	

- 8 Which pair of terms are like terms?

$$-\frac{4}{3} + 4x + \frac{1}{2}x$$

A $-\frac{4}{3} + \boxed{4x} + \boxed{\frac{1}{2}x}$	B $-\boxed{\frac{4}{3}} + 4x + \boxed{\frac{1}{2}x}$
C $-\boxed{\frac{4}{3}} + \boxed{4x} + \frac{1}{2}x$	

**Identify variables, coefficients, constants, and terms****9**

Which pair of terms are like terms?

$$-\frac{1}{2}x + \frac{5}{2} + \frac{3}{2}x$$

A $-\frac{1}{2}x + \frac{5}{2} + \frac{3}{2}x$

B $-\frac{1}{2}x + \frac{5}{2} + \frac{3}{2}x$

C $-\frac{1}{2}x + \frac{5}{2} + \frac{3}{2}x$

10

Which pair of terms are like terms?

$$-\frac{1}{2}x + \frac{9}{2}x - 9$$

A $-\frac{1}{2}x + \frac{9}{2}x - 9$

B $-\frac{1}{2}x + \frac{9}{2}x - 9$

C $-\frac{1}{2}x + \frac{9}{2}x - 9$

11

Which pair of terms are like terms?

$$\frac{1}{4}x - \frac{5}{3}x + 8$$

A $\frac{1}{4}x - \frac{5}{3}x + 8$

B $\frac{1}{4}x - \frac{5}{3}x + 8$

C $\frac{1}{4}x - \frac{5}{3}x + 8$

12

Which pair of terms are like terms?

$$-4 + \frac{7}{4}x + \frac{9}{4}x$$

A $-4 + \frac{7}{4}x + \frac{9}{4}x$

B $-4 + \frac{7}{4}x + \frac{9}{4}x$

C $-4 + \frac{7}{4}x + \frac{9}{4}x$