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Summative Assessment I 2020-21

Grade 9

Maths
(Part 1)

Name:

Max: 50(part 1+2+3)

Choose the correct options

1. If $x^2 + kx + 6 = (x + 2)(x + 3)$ for all x , then the value of k is
(A) 1 (B) -1 (C) 5 (D) 3
2. The degree of the polynomial is $4x^4 + 0x^3 + 0x^5 + 5x + 7$ is
a) 4 b. 5 c. 3 d. 7
3. Point $(-3, 5)$ lies in the
a) First quadrant b. Second quadrant c. Third quadrant d. Fourth quadrant
4. The point at which the two coordinates axis meet is called the
a) Abscissa b. Ordinate c. Origin d. Quadrant
5. The linear equation $2x - 5y = 7$ has
(A) A unique solution b. Two solutions
c. Infinitely many solutions d. No solution
6. The equation $2x + 5y = 7$ has a unique solution, if x, y is:
(A) Natural numbers b. Positive real numbers c. Real numbers d. Rational numbers
7. Any point on the y -axis is of the form
(A) $(X, 0)$ b. (X, y) c. $(0, y)$ d. (Y, y)
8. If $(2, 0)$ is a solution of the linear equation $2x + 3y = k$, then the value of k is
(A) 4 (B) 6 (C) 5 (D) 2
9. If two interior angles on the same side of a transversal intersecting
Two parallel lines are in the ratio 2: 3, then the greater of the two angles is
(A) 54° (B) 108° (C) 120° (D) 136°
10. Angles of a triangle are in the ratio 2: 4: 3. The smallest angle of the triangle is
(A) 60° (B) 40° (C) 80° (D) 20°