

- D. 4
5. If $p=2q+6$, then what is the value of $p^3 - 8q^3 - 36pq - 216$?
- A. 0
B. 1
C. 2
D. 3
6. Solve $-\frac{22}{7} + \left(\frac{-3}{12}\right) =$
- A. $\frac{95}{28}$
B. $-\frac{95}{28}$
C. $\frac{285}{84}$
D. $-\frac{285}{84}$
7. $\frac{1}{8} - \frac{2}{4}x + 1 = 0$, Find the value of 'x'.
- A. $\frac{3}{4}$
B. $-\frac{3}{4}$
C. 4
D. 5
8. What values of (x, y) satisfy the given equation $x^3 - 2x^2y + 2xy^2 - y^3 = 0$
- A. (1, 1)
B. (1, 2)
C. (2, 1)
D. (3, 1)
9. Express 81^{-2} in the powers of 3
- A. 3^8
B. $\left(\frac{1}{3}\right)^8$
C. 3^{-6}
D. $\left(\frac{1}{3}\right)^6$
10. When a dice is thrown once what is the probability of the dice to show 6?
- A. $\frac{1}{2}$
B. $\frac{1}{3}$
C. 1
D. $\frac{1}{6}$
11. Simplify the expression, $(a^{22} \times a^{-12}) \times (b^{-10} \times b^{20})$
- A. $(ab)^{10}$
B. $a^{22} \times b^{20}$
C. $(ab)^{12}(ab)^{12}$

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