



مدونة المناهج السعودية

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الموقع التعليمي لجميع المراحل الدراسية

في المملكة العربية السعودية

1. The solution set of $6x^2 - 11x - 10 = 0$ is:

(a) $\left\{\frac{-5}{3}, 1\right\}$

(c) $\left\{\frac{-5}{2}, \frac{2}{3}\right\}$

(b) $\left\{\frac{5}{3}, -1\right\}$

(d) $\left\{\frac{5}{2}, \frac{-2}{3}\right\}$

2. The solution set of $x^2 - 2 = |x|$ is:

(a) $\{2\}$

(c) $\{-2, 1\}$

(b) $\{2, -1\}$

(d) None of the previous

3. The solution set of the inequality $|7 - x| > 5$ is:

(a) $(-12, -2) \cup (0, \infty)$

(c) $(-\infty, -12) \cup (-2, \infty)$

(b) $(-\infty, 0) \cup (12, \infty)$

(d) $(-\infty, 2) \cup (12, \infty)$

4. The solution set of the inequality $\frac{(x+5)(x-2)}{x+3} > 0$ is:

(a) $(-\infty, -3) \cup (2, \infty)$

(c) $(-\infty, -5) \cup (-3, 2)$

(b) $(-\infty, -5) \cup (-3, \infty)$

(d) $(-5, -3) \cup (2, \infty)$

5. If $z = 2xw + 2yw + 2yx$, then $y =$

(a) $\frac{z - 2xw}{2w + 2x}$

(c) $\frac{z - 2xw}{2w - 2x}$

(b) $\frac{z - xw}{2xw}$

(d) $\frac{z - xw}{w - x}$

6. $\frac{-1}{x-1} + \frac{2}{x-2} =$

(a) $\frac{3x-4}{(x-1)(x-2)}$

(c) $\frac{x}{(x-1)(x-2)}$

(b) $\frac{x-4}{(x-1)(x-2)}$

(d) None of the previous

7. $2x^3 - 5x^2 - 28x + 15 =$
- (a) $(2x-1)(x-3)(x-5)$ (c) $(2x-1)(x-5)(x+3)$
 (b) $(2x^2-3)(x-5)$ (d) $x(2x-1)(x-5)(x+3)$
8. $\frac{5^{2x+1}}{5^{1-2x}} =$
- (a) 1 (c) 5^{4x-2}
 (b) 5^{4x} (d) 25
9. The solution set of $7^{x^2+20} = 7^{9x}$ is:
- (a) $\{4, 5\}$ (c) $\{0, 20\}$
 (b) $\{-4, -5\}$ (d) None of the previous
10. $\frac{2}{3} - \left(\frac{3}{4} - \frac{1}{2}\right) =$
- (a) $\frac{5}{24}$ (c) $\frac{5}{12}$
 (b) $\frac{-7}{12}$ (d) None of the previous
11. The domain of $f(x) = \frac{1}{\sqrt{x-1}}$ is:
- (a) $(-\infty, 1)$ (c) $[1, \infty)$
 (b) $\mathbb{R} \setminus \{1\}$ (d) None of the previous
12. If $f(x) = x^2 - 1$, then $f(x-1) =$
- (a) $x^2 + 2x - 1$ (c) $x^2 - 2x - 1$
 (b) $x^2 - 2x$ (d) $x^2 - 2$
13. Prices in a sale were reduced by 20%. If the price of a washing machine was 120 KD before the sale, then its sale price is:
- (a) 94 KD (c) 96 KD
 (b) 144 KD (d) 100 KD

14. During an operation, the heart beat of a patient has increased by 25%. He was given a medication that decreased the heart beat by 20% to reach 60 b/Min. The heart beat before the operation was:
- (a) 58 b/Min. (c) 64 b/Min.
 (b) 72 b/Min. (d) None of the previous
15. If 5 rabbits consume 70 Kg of food per week, then how much food is consumed by 8 rabbits in 3 days?
- (a) 72 Kg (c) 24 Kg
 (b) 48 Kg (d) None of the previous
16. If 6 workers can finish a job in 8 days, then how many workers are needed to finish the same job in 4 days?
- (a) 12 (c) 3
 (b) 9 (d) None of the previous
17. Ahmad can finish a job in 3 hours, while Mansour needs 9 hours to finish the same job. How long it takes to finish this job, if Ahmad and Mansour work together on it?
- (a) 2 hours (c) 6 hours
 (b) 12 hours (d) None of the previous
18. A hotel charges x KD per night plus 8% tax applied to the room rate. The hotel also charges an untaxed 5 KD per stay in the hotel. How much would a guest pay if he stays for m nights?
- (a) $1.08(mx + 5)$ (c) $1.08(mx) + 5$
 (b) $(x + 0.08m) + 5$ (d) None of the previous
19. A farm had 50 cows at the beginning of 2018. If it is estimated that the number of cows will double every 6 years, then which of the following will give the estimated number C of cows m years after 2018.
- (a) $C = 50(2)^{6m}$ (c) $C = 50 + 6m$
 (b) $C = 50(2)^{\frac{m}{6}}$ (d) $C = 6 + 50m$
20. The cost (in KD) of producing m items in a factory is $C = 7m + 350$. The factory sells each item for 12 KD. What is the minimum number of items that must be sold for the factory to make profit?
- (a) 84 (c) 71
 (b) 70 (d) None of the previous

Answers - English Exam		إجابات اختبار اللغة الانجليزية	
Q's#	Answers	Q's#	Answers
1 -	A B C D	19 -	A B C D
2 -	A B C D	20 -	A B C D
3 -	A B C D	21 -	A B C D
4 -	A B C D	22 -	A B C D
5 -	A B C D	23 -	A B C D
6 -	A B C D	24 -	A B C D
7 -	A B C D	25 -	A B C D
8 -	A B C D	26 -	A B C D
9 -	A B C D	27 -	A B C D
10 -	A B C D	28 -	A B C D
11 -	A B C D	29 -	A B C D
12 -	A B C D	30 -	A B C D
13 -	A B C D	31 -	A B C D
14 -	A B C D	32 -	A B C D
15 -	A B C D	33 -	A B C D
16 -	A B C D	34 -	A B C D
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Answers - Mathematics Exam		إجابات اختبار الرياضيات	
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2 -	A B C <input checked="" type="radio"/> D	7 -	A B <input checked="" type="radio"/> C D
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4 -	A B C <input checked="" type="radio"/> D	9 -	<input checked="" type="radio"/> A B C D
5 -	<input checked="" type="radio"/> A B C D	10 -	A B <input checked="" type="radio"/> C D
		11 -	A B C <input checked="" type="radio"/> D
		12 -	A <input checked="" type="radio"/> B C D
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		16 -	<input checked="" type="radio"/> B C D
		17 -	A B C <input checked="" type="radio"/> D
		18 -	A B <input checked="" type="radio"/> C D
		19 -	A <input checked="" type="radio"/> B C D
		20 -	A B <input checked="" type="radio"/> C D

Answers - Chemistry Exam		إجابات اختبار الكيمياء	
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3 -	A B C D	8 -	A <input checked="" type="radio"/> B C D
4 -	A B C D	9 -	A <input checked="" type="radio"/> B C D
5 -	A B C D	10 -	A <input checked="" type="radio"/> B C D
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		25 -	A B C D

Answers - Arabic Exam		إجابات اختبار اللغة العربية	
Q's#	Answers	Q's#	Answers
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2 -	A B C D	12 -	A B C D
3 -	A B C D	13 -	A B C D
4 -	A B C D	14 -	A B C D
5 -	A B C D	15 -	A B C D
6 -	A B C D	16 -	A B C D
7 -	A B C D	17 -	A B C D
8 -	A B C D	18 -	A B C D
9 -	A B C D	19 -	A B C D
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