New Maths GCSE: A2 - Substitution into Formulae using **Calculator**



Date:.....

If a = -3 and b = 2, then $\frac{5a + 4b}{a} = \frac{5a + 4b}{a}$

Explanation:

Correct Answer: A B C D

If x = 2 and y = -1, then $\frac{3x - 5y}{xy^2} =$

Correct Answer: A B C D

Explanation:

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If m = -2 and p = 3, then $\frac{4p - m}{m} = -2$

Correct Answer: A B C D Explanation:

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The the	algebraic expression $6x^2 + 9x + 3$ represents the area of a rectangle. What is the area of rectangle when $x = 3$ feet?
A.	51 square feet
B.	60 square feet
C.	66 square feet
D.	84 square feet

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Expla	anation:		

a = - 0.1, b = 2.5, c = - 0.5
$\left(\frac{b}{ac} - 4bc = ?\right)$
A: 45 B: - 55
C: - 45 D: 55

Correct Answer: A B C D
Explanation:

a = 36, b = -2, c =
$$\frac{1}{9}$$

$$\frac{2b}{\sqrt{a}} - \sqrt{ac} = ?$$
A: $-\frac{4}{3}$ B: $\frac{4}{3}$
C: $\frac{8}{3}$ D: $-\frac{8}{3}$

Correct Answer: A B C D
Explanation:

a = - 0.5, b =	= 0.16, c = - 0.1
$a^2 - \frac{a^2 - a^2}{c}$	$\frac{\sqrt{b}}{}$ = ?
A: 1.5	B: 6.5
C: -2.1	D: -6.0

Correct Answer: A B C D Explanation:	

a =
$$-\frac{1}{2}$$
, b = -1 , c = $\frac{1}{9}$

$$b^{3}a\sqrt{c} = ?$$

$$A: -\frac{1}{6}$$
B: $\frac{3}{2}$
C: $\frac{1}{6}$
D: $-\frac{3}{2}$

Correct Answer: A B C D	
Explanation:	

$a = -2, b$ $\frac{\frac{1}{\sqrt{c}} + \frac{1}{6}}{3c}$	$c = 3, c = \frac{1}{4}$
A: $\frac{8}{3}$ C: $\frac{14}{3}$	B: $\frac{2}{3}$
C: $\frac{14}{3}$	D: $-\frac{2}{3}$

Correct Answer: A B C D
Explanation:

I	$\frac{1}{f} = \frac{1}{3} + \frac{1}{4}$, then $f =$
(,	A) $\frac{7}{12}$
	B) $\frac{17}{12}$
(6	C) $\frac{12}{7}$
(1	D) 7