



New Maths GCSE: A2 - Substitution into Formula (with some negative numbers)

Name:.....

Date:.....

$p = 3$ $q = 5$ $r = -4$ $s = -2$

What is the value of the following expression?

pq

A 15 B 8
C 243 D 35

Correct Answer: A B C D

Explanation:

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$p = 3$ $q = 5$ $r = -4$ $s = -2$

What is the value of the following expression?

qp^2

A 30 B 225
C 532 D 45

Correct Answer: A B C D

Explanation:

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$p = 3$ $q = 5$ $r = -4$ $s = -2$

What is the value of the following expression?

r^2

A 8 B -8
C 16 D -16

Correct Answer: A B C D

Explanation:

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$p = 3$ $q = 5$ $r = -4$ $s = -2$

What is the value of the following expression?

rs

A 8 B -8
 C -42 D -6

Correct Answer: A B C D

Explanation:

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$p = 3$ $q = 5$ $r = -4$ $s = -2$

What is the value of the following expression?

$2q^2$

A 100 B 50
 C 20 D 625

Correct Answer: A B C D

Explanation:

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$p = 3$ $q = 5$ $r = -4$ $s = -2$

What is the value of the following expression?

$4p^2$

A 1849 B 144
 C 36 D 24

Correct Answer: A B C D

Explanation:

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$p = 3$ $q = 5$ $r = -4$ $s = -2$

What is the value of the following expression?

$r - s$

A -6 B 6
 C -2 D 2

Correct Answer: A B C D

Explanation:

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$p = 3$ $q = 5$ $r = -4$ $s = -2$

What is the value of the following expression?

$$3r^2$$

A -48 B 144
C -24 D 48

Correct Answer: A B C D

Explanation:

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$p = 3$ $q = 5$ $r = -4$ $s = -2$

What is the value of the following expression?

$$\frac{s}{r}$$

A 2 B 0.5
C -2 D -0.5

Correct Answer: A B C D

Explanation:

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$p = 3$ $q = 5$ $r = -4$ $s = -2$

What is the value of the following expression?

$$\frac{p}{s}$$

A -1.5 B 5
C -3.2 D -6

Correct Answer: A B C D

Explanation:

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