

Evaluate algebraic expressions by substitution

1

What is the value of this equation when $b=5$, $x=2$

$$2b + 5x$$

A	$20b$	B	$b^2 + 20$
C	20	D	$23b$
E	60	F	$2b - 20$

2

What does this equation become when $p=7$, $x=-8$

$$3p + 3x$$

A	$3^7 + 3^{(-8)}$
B	$3 \times 7 + 3 \times (-8)$

3

What does this equation become when $n=4$, $x=8$

$$2(5n - 7x)$$

A	$2 \times (5 \times 4 - 7 \times 8)$
B	$-5 \times 4 - 7 \times 8$

4

What is the value of this equation when $b=6$, $c=2$, $z=-7$

$$\frac{4b + 6z}{3c}$$

A	$b^4 + -3$	B	$-2b$
C	150	D	-2
E	-3	F	1

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What does this equation become when $y=7$, $r=2$, $b=3$

$$\frac{6y}{7r} + 6b$$

A	$\frac{6 \cdot 7 + 6 \cdot 3}{7 \cdot 2}$	B	$\frac{6 \cdot 7}{7 \cdot 2} + 6 \cdot 3$
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6

What is the value of this equation when $r=-2$, $z=7$, $y=-3$

$$\frac{4r^2 + 6y^2}{5z}$$

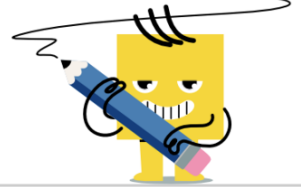
A	2	B	$-3r$
C	51	D	261
E	-261	F	-3

7

What is the value of this equation when $c=-8$, $m=8$, $b=-7$

$$\frac{6c}{3m} + 3b$$

A	408	B	-3
C	-576	D	3
E	$-23c$	F	-23



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What is the value of this equation when $c=4$, $x=2$, $d=5$

$$\frac{6c}{3x} + 3d$$

A	$19c$	B	-108
C	19	D	102
E	$c^6 + 19$	F	4

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What is the value of this equation when $m=5$, $c=4$, $n=2$

$$\frac{2m + 3n}{2c}$$

A	$2m$	B	58
C	-82	D	$2m - 2$
E	$m^2 + 2$	F	2

10

What is the value of this equation when $c=3$, $r=2$

$$\frac{2c^2}{3r}$$

A	$4c$	B	24
C	3	D	$c^2 + 3$
E	$2c - 3$	F	-5

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What is the value of this equation when $p=8$, $n=4$, $b=7$

$$\frac{3p^2}{2n^2} + 7b^2$$

A	-224	B	$p^3 + 349$
C	4	D	349
E	$349p$	F	200

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What is the value of this equation when $x=3$, $p=4$

$$5(2x - 2p)$$

A	$-10x$	B	26
C	-18	D	-10
E	-14	F	$x^2 + -10$

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What is the value of this equation when $r=8$, $x=-2$

$$5(2r - 4x)$$

A	120	B	144
C	$120r$	D	$r^2 + 120$
E	256	F	122