Question ID cf0fc6ba

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: cf0fc6ba

Which expression is equivalent to $13x^2 - 7x^2$?

A. $-91x^2$

B. $6x^2$

C. $20x^2$

D. $40x^2$

Question ID fb46b28e

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: fb46b28e

Which expression is equivalent to $12x + 27$?

A. $12(9x + 1)$

B. $27(12x + 1)$

C. $3(4x + 9)$

D. $3(9x + 24)$

Question ID 4bed3f66

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 4bed3f66

Which expression is equivalent to $34x + 34y$?

A. $34xy$

B. $34(x + y)$

C. $68y$

D. $68x$

Question ID 401c7c6c

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 401c7c6c

Which expression is equivalent to $9x + 6x + 2y + 3y$?

A. $3x + 5y$

B. $6x + 8y$

C. $12x + 8y$

D. $15x + 5y$

Question ID 695e5620

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 695e5620

Which expression is equivalent to $20w - (4w + 3w)$?

A. $10w$

B. $13w$

C. $19w$

D. $21w$

Question ID dfb59051

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: dfb59051

Which expression is equivalent to $\left(m^4q^4z^{-1}\right)\left(mq^5z^3\right)$, where m, q, and z are positive?

A. $m^4q^{20}z^{-3}$

B. $m^5q^9z^2$

C. $m^6q^8z^{-1}$

D. $m^{20}q^{12}z^{-2}$

Question ID 5d3181be

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 5d3181be

Which expression is equivalent to $256w^2 - 676$?

A. $(16w - 26)(16w - 26)$

B. $(8w - 13)(8w + 13)$

C. $(8w - 13)(8w - 13)$

D. $(16w - 26)(16w + 26)$

Question ID c1e3234d

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: c1e3234d

Which expression is equivalent to $23x^3 + 2x^2 + 9x$?

A. $23x(x^2 + 2x + 9)$

B. $9x(23x^3 + 2x^2 + 1)$

C. $x(23x^2 + 2x + 9)$

D. $34(x^3 + x^2 + x)$

Question ID 1429f6b2

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 1429f6b2

Which expression is equivalent to $17(x^2 - 100y^2)$?

A. $17(x - 2y)(x - 50y)$

B. $17(x - 2y)(x + 50y)$

C. $17(x - 10y)(x - 10y)$

D. $17(x - 10y)(x + 10y)$

Question ID d926a0a9

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: d926a0a9

Which expression is equivalent to $9x^2 + 5x$?

A. $x(9x + 5)$

B. $5x(9x + 1)$

C. $9x(x + 5)$

D. $x^2(9x + 5)$

Question ID a3d03f49

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: a3d03f49

Which expression is equivalent to $x^2 + 3x - 40$?

A. $(x - 4)(x + 10)$

B. $(x - 5)(x + 8)$

C. $(x - 8)(x + 5)$

D. $(x - 10)(x + 4)$

Question ID 4f9898f3

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 4f9898f3

Which expression is equivalent to $(x)^{\frac{1}{14}}$, where $x > 0$?

A. $\frac{1}{14} \cdot x$

B. $\sqrt[14]{x}$

C. $14 \cdot x$

D. msup

Question ID 77d30f46

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 77d30f46

Which expression is equivalent to $4(x^2 + 6)$?

A. $4x^2 + 24$

B. $4x^2 + 10$

C. $4x^2 + 6$

D. $4x^2 - 2$

Question ID bace9af4

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: bace9af4

Which expression is equivalent to $16x^3y^2 + 14xy$?

A. $2xy(8xy + 7)$

B. $2xy(8x^2y + 7)$

C. $14xy(2x^2y + 1)$

D. $14xy(8x^2y + 1)$

Question ID a1bb87b1

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: a1bb87b1

Which expression is equivalent to $11x^3 - 5x^3$?

A. $16x^3$

B. $6x^3$

C. $6x^6$

D. $16x^6$

Question ID 72fa8b3e

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 72fa8b3e

Which expression is equivalent to $15w^2 + 8w$?

A. $w(15w + 8)$

B. $8w(15w + 1)$

C. $15w^2(8w + 1)$

D. $23(w^2 + w)$

Question ID 3e4e9da8

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 3e4e9da8

Which expression is equivalent to $5x^5 - 6x^4 + 8x^3$?

A. $x^4(5x - 6)$

B. $x^3(5x^2 - 6x + 8)$

C. $8x^3(5x^2 - 6x + 1)$

D. $6x^5(-6x^4 + 8x^3 + 1)$

Question ID 2dfb2204

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 2dfb2204

Which expression is equivalent to $50x^2 + 5x^2$?

A. $250x^2$

B. $10x^2$

C. $45x^2$

D. $55x^2$

Question ID 97f3dbe0

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 97f3dbe0

Which expression is equivalent to $9x^2 + 7x^2 + 9x$?

A. $63x^4 + 9x$

B. $9x^2 + 16x$

C. $25x^5$

D. $16x^2 + 9x$

Question ID 0e803cba

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 0e803cba

Which expression is equivalent to $16(x + 15)$?

A. $16x + 31$

B. $16x + 240$

C. $16x + 1$

D. $16x + 15$

Question ID 33206a54

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 33206a54

Which expression is equivalent to $(9x^3 + 5x + 7) + (6x^3 + 5x^2 - 5)$?

A. $15x^6 + 5x^2 - 5x - 35$

B. $15x^3 + 10x^2 + 2$

C. $15x^6 + 5x^2 + 5x + 2$

D. $15x^3 + 5x^2 + 5x + 2$

Question ID fbcace7b

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: fbcace7b

Which expression is equivalent to $(2x^2 + x - 9) + (x^2 + 6x + 1)$?

A. $2x^2 + 7x + 10$

B. $2x^2 + 6x - 8$

C. $3x^2 + 7x - 10$

D. $3x^2 + 7x - 8$

Question ID 7cfe6c55

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 7cfe6c55

Which expression is equivalent to $8 + d^2 + 3$?

A. $d^2 + 24$

B. $d^2 + 11$

C. $d^2 + 5$

D. $d^2 - 11$

Question ID 9b0ca0dc

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 9b0ca0dc

Which expression is equivalent to $5x^2 - 50xy^2$?

A. $5x(x - 10y^2)$

B. $5x(x - 50y^2)$

C. $5x^2(10xy^2)$

D. $5x^2(50xy^2)$

Question ID d2cae91a

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: d2cae91a

Which expression is equivalent to $12x^3 - 5x^3$?

A. $7x^6$

B. $17x^3$

C. $7x^3$

D. $17x^6$

Question ID d1340aa3

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: d1340aa3

Which expression is a factor of $2x^2 + 38x + 10$?

A. 2

B. $5x$

C. $38x$

D. $2x^2$

Question ID 611fd50b

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 611fd50b

Which expression is equivalent to $19(x^2 - 7)$?

A. $19x^2 - 133$

B. $19x^2 - 26$

C. $19x^2 - 7$

D. $19x^2 + 12$

Question ID 5df44e78

Assessment	Test	Domain	Skill	Difficulty
SAT	Math	Advanced Math	Equivalent expressions	Easy

ID: 5df44e78

Which expression is equivalent to $(8yz)(y)(7z)$?

A. $56y^2z^2$

B. $56y^2z$

C. $56yz$

D. $16yz$