

Name : _____

Score : _____

Teacher : _____

Date : _____

Advanced Order of Operations - Algebraic

Evaluate each expression.

1) $[(-7)x^2 - \{(-12)x \div 6\}^2] \cdot (-2)x^{-1}$

2) $[\{(-10)x \div (-5)x\}^3 - (-6)] \cdot (-10)x + (-5)x$

3) $[\{3^2 + 7\}x - 5x] - 10x$

4) $(-2)x - (-4) \cdot [(-7)x - \{(-4)^3 + (-8)\}x]$

5) $[(-8)x + \{(-14) \div (-7)\}x] \cdot (-3)^2$

6) $[\{12x \div 6x\}^2 - 7] \cdot 3x + 4x$

7) $[(-11)x + \{(-18) \div 9\}x] \cdot (-3)^2$

8) $[(-6)x^2 - \{(-10)x \div (-5)\}^2] \cdot [(-4) - (-5)]x^{-1}$

9) $((-8)^3)x - [3x \cdot \{(-2) - (-9)\}]$

10) $[10 - \{16x^2 \div 8x^2\}^2] \cdot 12x + 7x$

11) $[\{9^2 + 6\}x - 2x] - 3x$

12) $[7 - \{12x^2 \div 6x^2\}^2] \cdot 3x + 9x$



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Evaluate each expression.

1) $[(-7)x^2 - \{(-12)x \div 6\}^2] \cdot (-2)x^{-1}$
22x

2) $[\{(-10)x \div (-5)x\}^3 - (-6)] \cdot (-10)x + (-5)x$
-145x

3) $[\{3^2 + 7\}x - 5x] - 10x$
x

4) $(-2)x - (-4) \cdot [(-7)x - \{(-4)^3 + (-8)\}x]$
258x

5) $[(-8)x + \{(-14) \div (-7)\}x] \cdot (-3)^2$
-54x

6) $[\{12x \div 6x\}^2 - 7] \cdot 3x + 4x$
-5x

7) $[(-11)x + \{(-18) \div 9\}x] \cdot (-3)^2$
-117x

8) $[(-6)x^2 - \{(-10)x \div (-5)\}^2] \cdot [(-4) - (-5)]x^{-1}$
-10x

9) $((-8)^3)x - [3x \cdot \{(-2) - (-9)\}]$
-533x

10) $[10 - \{16x^2 \div 8x^2\}^2] \cdot 12x + 7x$
79x

11) $[\{9^2 + 6\}x - 2x] - 3x$
82x

12) $[7 - \{12x^2 \div 6x^2\}^2] \cdot 3x + 9x$
18x

