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| Write a verbal expression for the algebraic expression.1. *ab 2.* ½ (*x + y) 3.* 8$y^{2}$
 | 1.2. |
| Write an algebraic expression to the given verbal expression.1. one-half the product of *x* and *y*
2. the difference of *x* and *x* squared
 | 1.2. |
| Write the expression using exponents.1. x·x·y·8 · 8 · 8 · 8 2. 5 · b · b · c · c · c
 | 1.2. |
| What is the value of this expression when $d= \frac{1}{4}?$$$d^{3}-6d+3$$ |  |
| What is the value of this expression when$ y=-6 and x=-25$?$$-2|\frac{1}{3}y-12|+x$$ |  |
| What is the value of this expression when $x= -12$ and y=16**?**$$- \sqrt{x^{2}+ y^{2}}$$ |  |
| Find the area and circumference of a semi-circle whose diameter is 7feet.  | $$A=πr^{2} C=2πr$$ |
| Evaluate if a= 8, b=4, and c=161. $a^{2}bc-b^{3}$ 3. $\frac{2b+3c^{2}}{4a^{2}-2b}$

$2. \frac{c^{2}}{b^{2}}+\frac{b^{2}}{a^{2}}$ $4.\left(\frac{a}{b}\right)^{2}- \frac{c}{a-b}$ |  |
| Simplify each expression by combining like terms. You must show the use of the distributive property and proper grouping techniques to receive full credit.$$1. 2\left(x+4y\right)+x(3+2y)$$1. $3mn\left(x+m-4\right)+2(2mnx-m^{2}n+12)$
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