

Name _____

Evaluate Expressions

Use distributive property to write an equivalent expression.

1) $5(m - 2)$

2) $2(9p - \frac{1}{2})$

3) $6(8x + 1)$

4) $6(3y - 4y)$

6) $8(y^3 + \frac{3}{4})$

5) $100(x^2 - 5.38)$

Factor to write an equivalent expression.

7) $35x + 30$

8) $8w - 16$

9) $2.2x + 2.2$

10) $24m + 21n$

12) $30c - 40$

11) $48a - 32b$

Circle ALL expressions that are equivalent to the given expression.

13) $5x + 5$

$10x + 5 - 5x$

$10x$

$5(x + 1)$

14) $3(3x - 1)$

$6x - 2$

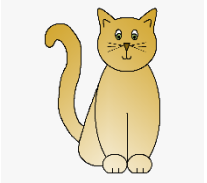
$9x - 3$

$9x - 1$

15) Write an algebraic expression that represents each purchase.

a. Ms. Martinez bought x number of litter boxes and 8 bags of cat food for the animal shelter.

b. Two sisters EACH bought 1 litter box, 10 cat toys, and x bags of cat food.

Cat Toy	\$4	
Cat Food	\$12	
Litter Box	\$16	

16) Select ALL expressions that are equivalent to $8x - 24$

$8(x - 3)$

$8(x - 24)$

$(5 + 3)x - 24$

$16x$

$2(4x - 12)$