

Math 2
Chapter 2 Practice Test

Name: _____ **Per.** _____

1) Put the expression in standard form: $10 - 8x^5 + 4x^3 - 2x$. _____

Simplify for numbers 2-9.

2) $(8x^3 + 5x - 9) + (3x^5 - 4x^2 - 4x + 12)$

3) $(12x^4 + 8x^2 - 12) + (2x^6 - 7x^2 + 10x - 2)$

4) $(5x - 3) - (4x^2 + 7x - 2)$

5) $(-5x^2 - 4x - 10) - (5x^2 - 8x + 3)$

6) $(x+3)(x-7)$

7) $(3x+4)(4x-2)$

8) $(2k - 4)^2$

9) $(5x-1)(5x+1)$

Find the Greatest Common Factor for numbers 10-11.

10) $12y^5 + 9y^3 - 15y$

11) $10x^5 + 15x^3 - 20x^2$

Factor for numbers 12-23.

12) $x^2 + 9x + 20$

13) $x^2 - 8x - 9$

14) $x^2 + 5x - 14$

15) $x^2 - 18x + 80$

16) $x^2 + 12x + 36$

17) $x^2 - 6x + 9$

18) $5x^2 + 10x + 5$

19) $4x^2 - 49$

20) $x^2 - 25$

21) $2x^3 + 16x^2 + 30x$

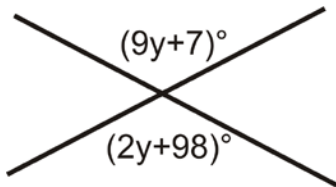
22) $2x^2 - 4x + 6x - 12$

23) $4x^2 + 13x + 3$

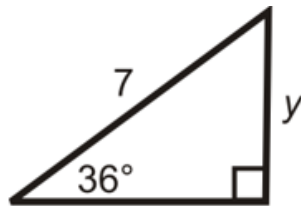
24) $2x^2 - 7x - 15$

Review time 😊

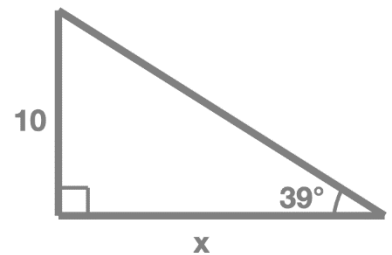
25) Solve for y.



26) Solve for y.

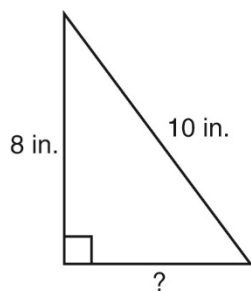


27) Solve for x.



28) Find the missing side.

a)



b)

