

7. Subtract:
 $(4n^4 - 7n^3 + 3n^2 - 6) - (8n^4 - 3n^2 - 8)$
- A. $-4n^4 + 6n^2 - 14$
B. $-4n^4 + 7n^3 + 14$
C. $-4n^4 - 7n^3 + 6n^2 + 2$
D. $-4n^4 + 4n^3 + 3n^2 + 2$

9. Which is $4(5 + n) - (2 - 3n) + 6$ in simplest form?
- F $n + 24$
G $n + 13$
H $4n + 24$
J $7n + 24$

11. Which is equivalent to $\frac{x^3y^2}{(-3x^2y^{-3})^3}$?
- A $-\frac{y^{11}}{27x^3}$
B $-\frac{x^3y^7}{27}$
C $\frac{27y^{11}}{x^3}$
D $27x^3y^{11}$

8. $(x + 7)(x - 6) =$
- A. $x^2 - x - 42$
B. $x^2 + x - 42$
C. $x^2 - 13x - 42$
D. $x^2 + 13x - 42$

10. Which is $\frac{14m^6 - 21m^4 + 7m^2}{7m^2}$ in simplest form?
- A $2m^3 - 3m^2$
B $2m^4 - 3m^2$
C $2m^3 - 3m^2 + 1$
D $2m^4 - 3m^2 + 1$

12. Which is equivalent to $\left(\frac{2}{3}\right)^{-4}$?
- A $-\frac{12}{8}$
B $-\frac{8}{12}$
C $\frac{16}{81}$
D $\frac{81}{16}$

13. The area of a billboard sign is represented by $(X+15)^2$ feet. Find its product.

14. In little league, Mary throws a softball $(4b^2)$ times every day. How many times does she throw the ball in $(2b^3)$ days?

15. The length of a rectangular room is 5 more than twice times the width. Find the perimeter.

16. Find the total area of the figure if the shaded region $8x^2-7$ is the area of the total region and $4x^2-2$ is the area of the unshaded region.

