

Review Sheet #1 for final exam

Perform the indicated operation(s) and simplify as much as possible:

1. $(4x^5 + 7x^4 - 3x^2 + 9) + (6x^5 - 8x^4 + 2x^3 - 7)$

2. $5\frac{4}{9} + 3\frac{1}{3}$

3. $(7x^3 + 2x^2 - x) - (5x^3 - 3x^2 - 8x)$

4. $\frac{2}{5} - \frac{7}{8}$

5. $(9a^2b + 3ab) - (13a^2b - 4ab)$

6. $(9a^3b^2)(3a^5b)$

7. $-34.56 + 2.783$

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$$8. 7x^2(3x^3 - 2x + 8)$$

$$9. 10 \div 2 \times 20 - 5^2 + 3$$

$$10. (x+2)(x-7)$$

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$$12. -\frac{9}{7} \cdot \frac{14}{15}$$

$$13. \frac{4}{5} \div \left(-\frac{8}{15}\right)$$

$$14. 105.3 \div 2.7$$

$$15. 34.09 \times 7.6$$

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