

## Warm-Up

January 19, 2016

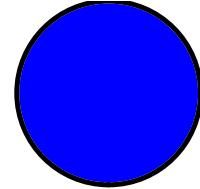
Group and simplify

$$\begin{aligned}
 & a) \quad (2n^2 - 6) - (5 + 5n^2) + (5n^2 + 3) \\
 & \quad 2n^2 - 6 - 5 - 5n^2 + 5n^2 + 3 \\
 & \quad \boxed{2n^2 - 5n^2 + 5n^2} - \boxed{6 - 5 + 3} \\
 & \quad 2n^2 - 8
 \end{aligned}$$

$$\begin{aligned}
 & b) \quad 6(p - 3) \\
 & \quad 6p - 18
 \end{aligned}$$

$$\begin{aligned}
 & c) \quad 8x(4x - 8) \\
 & \quad 32x^2 - 64x
 \end{aligned}$$

## BEDMAS



$$\frac{3}{8} - \frac{9}{4} \div \left[ \left( \frac{x^5 5}{x^5 4} \right) + \left( \frac{x^2 1}{x^2 10} \right) \right]$$

$$\frac{3}{8} - \frac{9}{4} \div \left( \frac{-25}{20} + \frac{-2}{20} \right)$$

$$\frac{3}{8} - \frac{9}{4} \div \frac{-27}{20}$$

change to multiply

flip

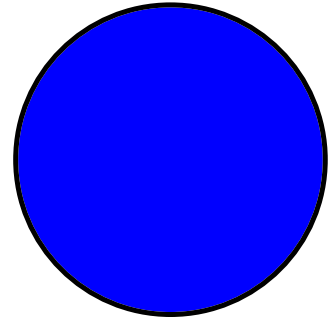
$$\frac{3}{8} - \frac{9}{4} \times \frac{-20}{27}$$

$$\frac{27 \times 3}{8} - \frac{180 \times 2}{108 \times 2}$$

$$\frac{81}{216} - \frac{360}{216} = \frac{441}{216} = 2 \frac{9}{216}$$

$$\frac{21}{24}$$

$$-4\frac{2}{3} \div \left[ \left( -\frac{1}{3} \right) + 4\frac{1}{6} \right] + \left( -3\frac{2}{5} \right)$$



$$-\frac{14}{3} \div \left( \frac{x^2}{x^2} \frac{1}{3} + \frac{25}{6} \right) + -\frac{17}{5}$$

$$-\frac{14}{3} \div \left( -\frac{2}{6} + \frac{25}{6} \right) + -\frac{17}{5}$$

$$-\frac{14}{3} \div \frac{23}{6} + -\frac{17}{5}$$

$$-\frac{14}{3} \times \frac{6}{23} + -\frac{17}{5}$$

$$\frac{-84}{69} + \frac{-17}{5}$$

$$-\frac{426}{345} + \frac{-1173}{345}$$

$$= \frac{1593}{345}$$

$$= 4\frac{213}{345}$$

$$4\frac{71}{115}$$

## Unit 3 Exam Review

1-23 Review

12, 13, 18, 19, 22, 23

Worksheet Questions---

2, 6, 12, 14, 16

## Polynomial Test Signed!!!

5) $\left(-3\frac{1}{2}\right) - \left(-2\frac{2}{3}\right)$	6) $\left(-1\frac{1}{2}\right) - \left(-\frac{2}{3}\right)$
7) $3\frac{2}{3} + 1\frac{2}{3} + 2$	8) $1\frac{2}{5} + \frac{1}{3} + \frac{1}{2}$
9) $\frac{3}{2} + 2\frac{1}{2} + 3\frac{1}{6}$	10) $2\frac{1}{5} \times \frac{1}{2} + 1$
11) $2 - \frac{1}{5} \times 3\frac{1}{2}$	12) $2 - \left(2\frac{1}{4} - 1\frac{1}{4}\right)$
13) $-2 - 2\frac{1}{2} - \frac{-3}{2} \times \frac{-7}{4} \times \frac{-4}{3}$	14) $\frac{2}{3} - \left(-3\frac{1}{2} - 2\frac{1}{4}\right) + \left(-2 - 3\frac{1}{4}\right)$
15) $4 + \frac{-2}{3} - \left(-2\frac{1}{3} \times -2\frac{1}{2}\right) + 1\frac{2}{3}$	16) $-2\frac{2}{3} \times 3\frac{2}{3} \times 2\frac{3}{4} - \frac{5}{4} + \frac{1}{2}$
17) $\left(-4 + \frac{4}{3} - \frac{1}{3}\right) \left(\frac{1}{3} - -3\frac{1}{3}\right)$	18) $\left(-2 \times -3\frac{1}{2} \times 2\frac{3}{4}\right) + \frac{1}{3} \times \frac{1}{2}$

18. 28% 11. 7.1  
 9. 7% 10. 2 1/2 11. 1 3/4 12. 1 13. 1 14. 1 15. 9 1/2 16. 2 1/2 17. 1/2  
 1. 7 1/2 2. 2 1/2 3. 4 4. 1 1/2 5. 1 1/2 6. 5/6 7. 7 1/2 8. 3 1/2  
 9. 8 10. 11. 12. 13. 14. 15. 16. 17. 18.