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12-4 review.....#

Complete the following problems on the left page:

$$\frac{1}{4} + \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$$

$$\frac{9}{11} - \frac{7}{11} = \frac{2}{11}$$

$$\frac{2 \cdot 1}{22} + \frac{1}{4} = \frac{2}{22} + \frac{1}{4} = \frac{2}{4} + \frac{1}{4} = \frac{3}{4}$$

$$\frac{2 \rightarrow 1}{3 \rightarrow 3} = \frac{2}{9}$$

$$\frac{1}{5} \div \frac{2}{3} = \frac{1 \rightarrow 3}{5 \rightarrow 2} = \frac{3}{10}$$

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Multiply

$$1. \frac{5x}{4y} \cdot \frac{2y}{3x^3} = \frac{1}{6x^3y^4}$$

$$2. \frac{n-5}{n^2+4n} \cdot \frac{(n+4)(n+4)}{n^2-8n+16} = \frac{(n+4)}{n(n+2)}$$

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$$3. \frac{3m^2 \cdot m^3}{n \cdot 2n^2} = \frac{3m^5}{2n^3}$$

$$4. \frac{b-2}{8} \cdot \frac{12}{2(b-2)} = 2$$

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Divide

$$1. \frac{2}{5} \div \frac{7}{15} = \frac{2}{5} \cdot \frac{15}{7} = \frac{6}{7}$$

$$2. \frac{7x}{2y} \div \frac{21x^3}{4y} = \frac{7x}{2y} \cdot \frac{4y}{21x^3} = \frac{2}{3x^2}$$

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$$3. \frac{3}{b} \div \frac{b+1}{2b}$$

$$4. \frac{1-n^2}{n} \div \frac{n-1}{n^2-4n} = \frac{-(n+1)(n-1)}{n} \cdot \frac{n(n-4)}{n(n-4)} = \frac{-(n+1)(n-1)}{n}$$

$$5. \frac{4gh^3}{h} \div (2g^2-8g) = \frac{4gh^2}{1} \cdot \frac{1}{2g(g-4)} = \frac{2h^2}{g-4}$$

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Assignment:

12-4 Day 3 Worksheet

$$\frac{z}{z} = 1$$

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