

## Assignment R

Sec. \_\_\_\_

This review assignment is due the first day of class. If your arithmetic and basic algebra skills are not current, then you may need to refresh them before taking this course. One good resource is the short online refresher course Prep for Math 11 at

<https://sites.google.com/site/mathchaircamosun/home/ALEKS-prep-courses>

**No calculators.** Show all of your work in the space provided. The answers to the first 6 questions are provided at the end of the assignment.

1. Subtract:  $3\frac{1}{4} - 2\frac{5}{12}$

2. Divide:  $\frac{7}{15} \div \left(-\frac{2}{5}\right)$

3. Find the perimeter  $P$  and area  $A$  of a 2.80 cm by 1.70 cm rectangle.

$P =$  \_\_\_\_\_

$A =$  \_\_\_\_\_

4. Simplify:  $\frac{-2(8-5 \cdot 2^3)}{4^2-5^2}$

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5. Simplify:  $2x - [5 - 4(3x - 1)]$

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6. Solve for  $a$ :  $4a - (7 - a) = 15a - \frac{30}{6}$

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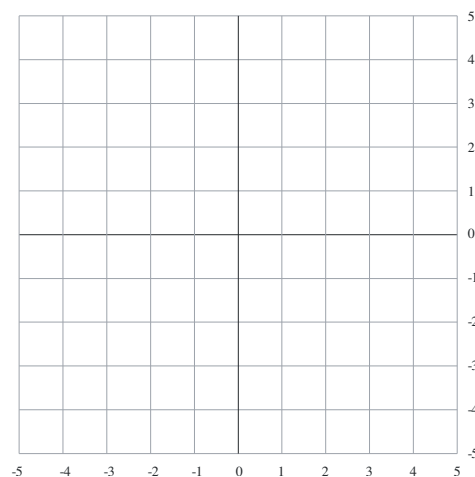
7. Simplify and write your answer with positive exponents:  $\frac{5x^5}{15x^{15}}$

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8. Simplify:  $\frac{x}{0.5}$

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9. Graph  $3x - 4y = 12$  and find the slope  $m$  of the line.



$m =$  \_\_\_\_\_

10. Is the statement  $\frac{a+b}{c} = \frac{a}{c} + \frac{b}{c}$  true or false? Justify your answer.

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Answers: 1.  $\frac{5}{6}$     2.  $-\frac{7}{6}$     3.  $P = 9.00 \text{ cm}, A = 4.76 \text{ cm}^2$     4.  $-\frac{64}{9}$     5.  $14x - 9$     6.  $a = -\frac{1}{5}$