



**Required Math Summer Review Homework
Algebra One (Upper School)**

Please complete the problems below and bring them with you the first day of class.

If you need more practice or information about these concepts, please visit:

<http://williston.com/mathsummerpractice>

Show **all** your work and steps without using a calculator.

1) Perform the indicated operations.

a) $-54 - (-41)$

b) $-21\left(\frac{4}{3}\right)$

c) $-24 \div (-12)$

d) $\left(\frac{4}{3}\right)\left(\frac{15}{24}\right)$

e) $\frac{5}{6} - \frac{3}{4}$

f) $\frac{25}{10} + \frac{36}{24}$

g) $(-13) + (-4)$

h) $\frac{5}{6} \div \left(-\frac{2}{3}\right)$

2) Solve the following and check.

a) $\frac{x}{3} = \frac{12}{8}$

b) $\frac{15}{x} = \frac{5}{3}$

c) $5x + 4 = 19$

d) $\frac{1}{3}x - 2 = 5$

e) $\frac{4}{3}x = 20$

3) Evaluate the following:

a) $2(5^2) - 8(2^2) - 2(3^2)$

b) $2((1 + 2(3 + 4)) \div (5)(6))$

4) Answer the following:

a) What is 5% of 60?

b) 8 is what percent of 64?

c) What percent of 36 is 48?

d) 10 is what percent of 60?

e) 125% of what is 35?

