

Name _____

Chapter 1 Test 2 (1-5 through 1-7) Review

How do you...	Show it:	
Add real numbers?	a) $-12 + 9$	b) $9 + (-5)$
	c) $\frac{3}{4} + \frac{1}{16}$	d) $-3 + (-8)$
Subtract real numbers?	a) $-5 - 2$	b) $6 - (-3)$
	c) $-4.2 - (-5.1)$	d) $7 - 18$
Multiply real numbers?	a) $7(-5)$	b) $-3(-9)$
	c) $-\frac{4}{5} \cdot \frac{9}{14}$	d) $\left(-\frac{3}{2}\right)^2$

Simplify square root expressions?	<div data-bbox="802 100 915 138" data-label="Equation-Block">a) $-\sqrt{36}$</div> <div data-bbox="1183 100 1297 138" data-label="Equation-Block">b) $\pm\sqrt{49}$</div> <div data-bbox="802 380 915 417" data-label="Equation-Block">c) $\sqrt{0.81}$</div>
Divide real numbers?	<div data-bbox="802 659 948 697" data-label="Equation-Block">a) $-40 \div 5$</div> <div data-bbox="1183 659 1395 709" data-label="Equation-Block">b) $-\frac{3}{4} \div \left(-\frac{9}{20}\right)$</div> <div data-bbox="802 890 1500 1079" data-label="Text"> <p>c) You use the money you've saved up from your summer job to pay your phone bill. In four months, your bank account has decreased a total of \$328 from these payments. What is the average change of your bank account for your phone payments?</p> </div>
Divide fractions?	<div data-bbox="802 1516 867 1591" data-label="Equation-Block">a) $\frac{\frac{1}{2}}{\frac{5}{6}}$</div> <div data-bbox="1183 1516 1395 1566" data-label="Equation-Block">b) $-\frac{3}{4} \div \left(-\frac{9}{20}\right)$</div>

Simplify using the distributive property?	a) $4(5x - 7)$ b) $-\frac{1}{3}\left(-6 + \frac{6}{7}t\right)$ c) $-(3x - 9)$
Rewrite fraction expressions?	a) $\frac{15-4x}{10}$ b) $\frac{2-7n}{-10}$
Use the Distributive Property for mental math?	a) $6(72)$ b) $5(3.98)$
Combine like terms?	a) $-8x + 2 + 5x$ b) $-5m^2n^3 - m^2n^3$ c) $5x^2 - x + 3y^2 - y + 3 - 2x^2 + 3y^2 - 9$