Simplifying expressions:

This is not **evaluating** an expression.

$$\frac{4y+3z+2r^2}{(x+z^2)^2+4y+z}$$

$x=2$
$y=4$
$z=7$
$r=2$

-14.3

Simplifying means:

- → reducing fractions $\frac{6}{4} \to \frac{3}{2}$
- → combining variable terms $2x+4x \to 6x$
- → rearranging terms $2x+4-2x+6x \to$ ~~$2x-2x$~~ $+4+6x \to 4+6x$

reorganizing an expression so it's "compact" and as useable as possible

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#34) $\frac{12y-8}{-4} = \frac{4(3y-2)}{-4_1} = \frac{3y-2}{-1}$

$(3y-2)(-1) = \boxed{-3y+2}$

#38) $\frac{-18-21r}{-12} = \frac{-1(18+21r)}{-1(12)} =$

$\frac{18+21r}{12} = \frac{3(6+7r)}{3(4)} = \frac{6+7r}{4} =$

$\frac{6}{4} + \frac{7r}{4} = \frac{3}{2} + \frac{7r}{4} \ldots = 1\frac{1}{2} + 1\frac{3}{4}r$

$1\frac{1}{2} + 1\frac{3}{4}r$ $\left(1\frac{1}{2} + 1\frac{3}{4}\right)r$

~~$3\frac{1}{4}r$~~ $6+7y$

38) $\frac{-18-21r}{-12} = \frac{-18}{-12} + \frac{-21r}{-12} =$

$\frac{3}{2} + \frac{7}{4}r$

40) $\frac{-20b+12}{-5} = \frac{-20b}{-5} + \frac{12}{-5} =$

$\boxed{4b - 2\frac{2}{5}}$

Unit Test:

Tuesday, 9/16 – over everything we've discussed in chapters 1 & 2

Skills Test:

Monday, 9/15 – over chapters 1 & 2

- → NOT worth points
- → Simpler (slightly) than the unit test
- → You need to get at least a 90% to pass
- → You can retake as much as necessary
- → You must pass ALL skills tests to move to Geometry