

**Lesson 2-3c Solve Multi-Step Equations w/ Rationals
(Fractions/Decimals) Homework**

	SOLVE	CHECK
1	$1.4 - 0.2(0.3p + 0.1) = 1.8$	$1.4 - 0.2(0.3p + 0.1) = 1.8$
2	$-0.5(x + 0.3) - 0.2x = 4.1$	$-0.5(x + 0.3) - 0.2x = 4.1$
3	$-2r + \frac{1}{3} - \frac{5}{2}r = -\frac{25}{6}$	$-2r + \frac{1}{3} - \frac{5}{2}r = -\frac{25}{6}$
4	$\frac{1}{8}(3y + 2) - \frac{1}{2} = 1\frac{3}{8}$	$\frac{1}{8}(3y + 2) - \frac{1}{2} = 1\frac{3}{8}$

5	$2y - \frac{3}{5} = \frac{1}{2}$	$2y - \frac{3}{5} = \frac{1}{2}$
6	$\frac{2}{7}\left(14q + \frac{7}{2}\right) - 3q = 9$	$\frac{2}{7}\left(14q + \frac{7}{2}\right) - 3q = 9$



Common Core Spiral Review

Simplify original expression, then simplify ABC. If you get the same simplified expression, check yes, if you get a different expression, check no. **MUST SHOW WORK FOR CREDIT!!**

1. Consider each expression. Is the expression equivalent to $2x + 4(x - 3)$?

Select Yes or No for expressions A–C.

- A.** $4(x - 3) + 2x$ Yes No
B. $(2x + 4x) - 3$ Yes No
C. $6x - 12$ Yes No

Substitute seconds from ABC into expression. If the answer is the height, check yes. If the answer is not the height, check no. **MUST SHOW WORK FOR CREDIT!!!**

2. The expression $-16t^2 + 60t$ gives the height in feet of a football t seconds after it is kicked.

Choose True or False for each statement.

- A.** After 0.5 second, the ball is 22 feet high. True False
B. After 1 second, the ball is 44 feet high. True False
C. After 1.5 seconds, the ball is 54 feet high. True False