

Name _____
Alg1

May 29, 2019
Rational Equations

$$1) \quad \frac{7x+3}{4} - \frac{x-5}{10} = \frac{11x-1}{8}$$

$$2) \quad \frac{2x+5}{7} - \frac{3x+4}{2} = \frac{x-52}{4}$$

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$$3) \frac{4x - 6}{x} + \frac{x}{3} = \frac{6x - 6}{x}$$

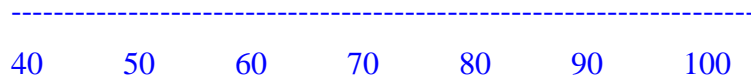
$$4) \frac{x - 10}{7} + \frac{8x + 4}{x} = \frac{10x + 20}{x}$$

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Data: scores from a science test:

45, 47, 50, 52, 69, 78, 82, 83, 92, 96, 99, 100



lowest: _____

highest: _____

Median: _____

LQ: _____

UQ: _____

Data: Points scored by the NY Giants in 16 regular season games:

0, 0, 7, 10, 14, 24, 27, 30, 30, 31, 34, 34, 38, 38, 39, 39



lowest: _____

highest: _____

Median: _____

LQ: _____

UQ: _____

For each problem, find the equation for the line of best fit and the correlation coefficient:

1)

Hours of sleep per night	Weight in pound
6	135
11	190
8	132
8.5	200
7	98
10	185
7.5	154

2)

Hours Spent Watching TV per Week	Cumulative Average
8	90
5	87
6	84
14	57
7	76
11	73
9	96
12	61