Warm - Up

Compare using < , > or =

$\frac{1}{15}$ .0634

Solve:

$-\frac{4}{5} + \frac{2}{3}$

Compare <, >, =

$\frac{3}{7} > 0.421$

Order from least to greatest

$\frac{1}{6}, \frac{3}{5}, 0.16, \frac{1}{8}$

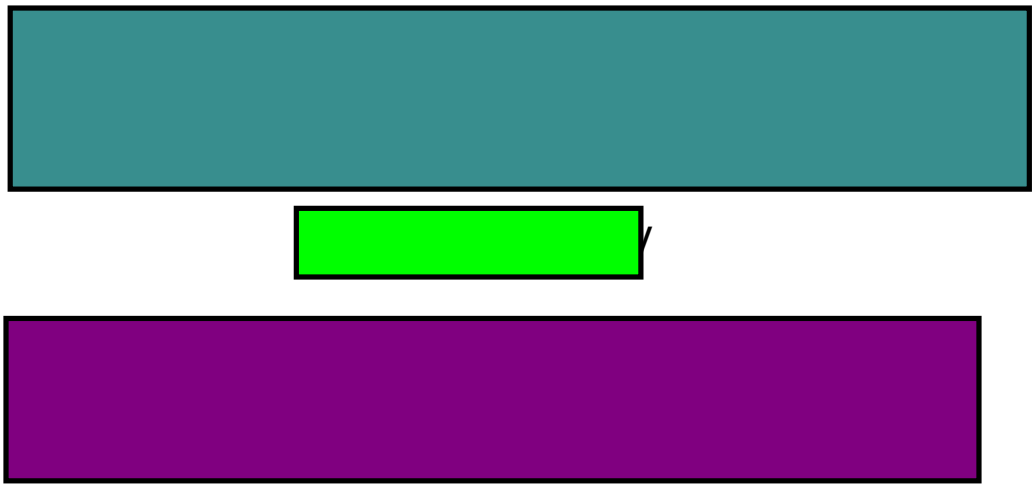
$\frac{1}{8}, 0.16, \frac{1}{6}, \frac{3}{5}$

$.1666$

$$
\begin{array}{r}
0.125 \\
8\overline{)1.0} \\
\underline{8} \\
20 \\
\underline{16} \\
40 \\
\underline{40}
\end{array}
$$

Simplifying Vocabulary/Introduction

Expression - Math problem without an equal sign



Variable - a letter in place for an unknown number

$3c + 5x - 2p$

Variables:

Coefficients - The number in front of the variable

$4xy + 5x - 10x^2 - y$

Coefficients:

Constant - Numbers without a variable

$3x + 7 + 9y$

Constants:

Identify the terms, like terms, coefficients and constants in each expression

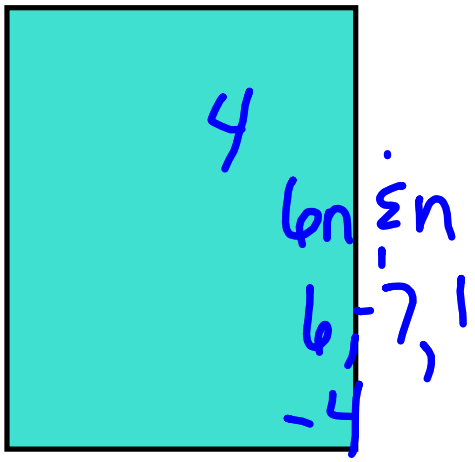
4xy + 2z + 9 - 3z - 6

Terms: 5

Like Terms: 2z & -3z, 9 & -6

Coefficients: 4, 2, -3

Constants: 9 & -6



Simplifying - Combining Like Terms:

$4xy + 2z + 9 - 3z - 6$

$4xy + 2z - 3z + 9 - 6$

$4xy + -1z + 3$

$4xy - z + 3$

$6n - 7n^2 - 4 + n$

$-7n^2 + 6n + n - 4$

$-7n^2 + 7n - 4$

$5y + 8 - 3y + 9$

$2y + 17$

$3x^2 + 4x - 5 + 2x - 3$

$3x^2 + 6x - 8$

$-8 + 6x + 3x^2$

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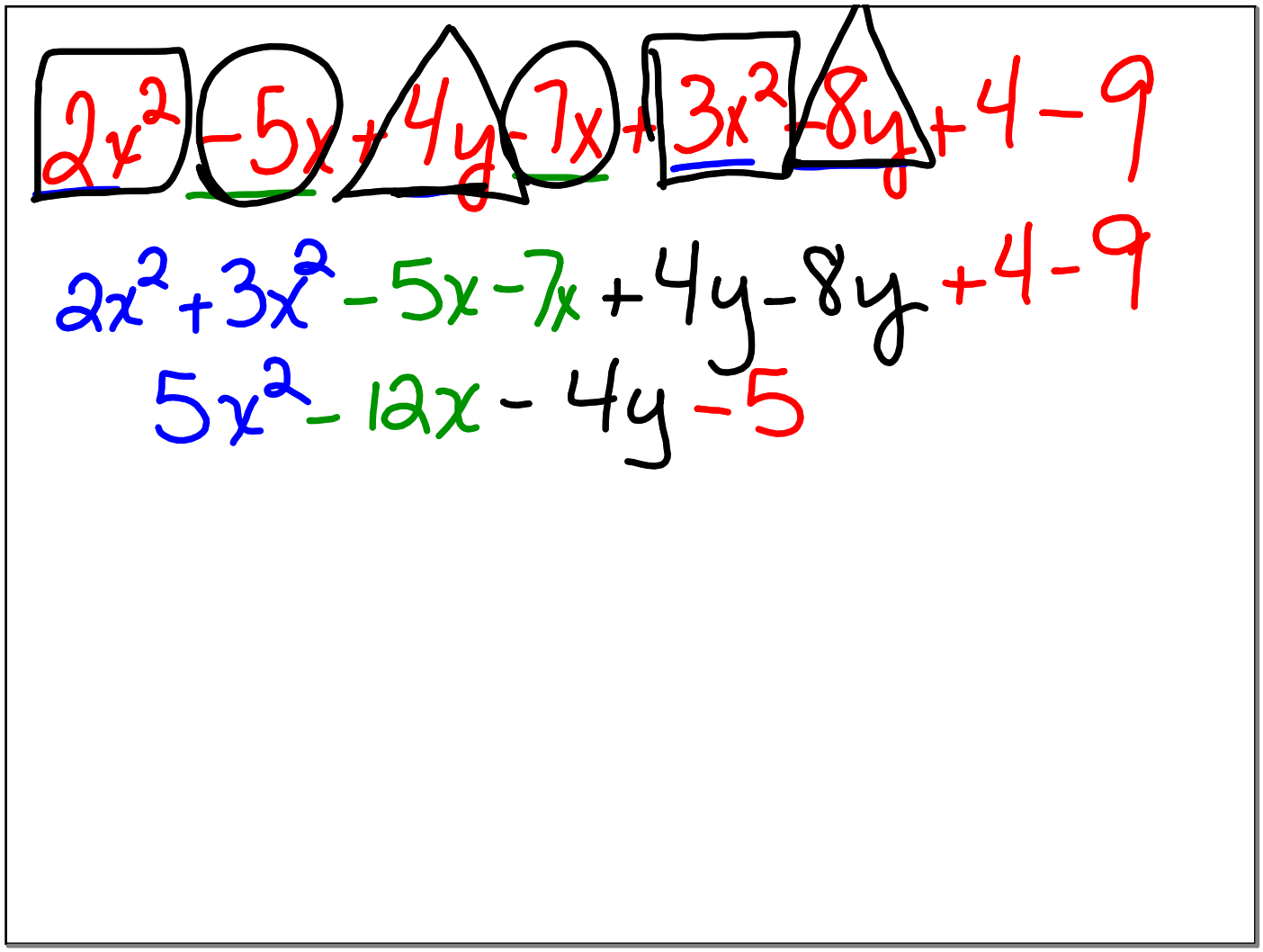

$$2ab - 4a + 3b - 8 - 6b + 2ab - 9$$

$$4ab - 4a - 3b - 17$$

$$6x - 6x^2 - 6x + 6 + 6x^2 - 6x - 6x^2$$

$$-6x^2 + 6x^2 - 6x^2 + 6x - 6x - 6x + 6$$

$$-6x^2 - 6x + 6$$