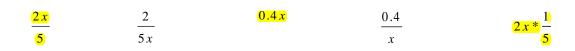
TRS 92: Equivalent forms and Average Rates of Change

1. Choose all of the equivalent expressions of $\frac{2}{5}x$.



2. Which of the following expressions are equivalent to $\frac{1}{2}(x+8)$? Circle all the possibilities.

$\frac{x+8}{2}$	1	$\frac{x}{2} + \frac{8}{2}$	$\frac{1}{-+}$	$\frac{1}{-x+8}$
2	2(x+8)	<mark>2 2</mark>	2(x+8)	2

For #3-4, refer back to Day 24 Activity #10.

3. Sherri calculated the average rate of change between the two points and got a negative result. She knows it's not correct, but she's not sure what she did wrong. Her work is shown below. Explain her error.

$$\frac{-3 - (-8)}{-2 - 6} = \frac{5}{-8}$$

4. Gordy's work to calculate the average rate of change is on the left below. Sandy's work is on the right. Who is correct? Justify your answer with a detailed explanation.

Gordy:
$$\frac{-2-6}{-8-(-3)}$$
 Sandy: $\frac{-6-(-2)}{-3-(-8)}$

Writing Prompt #3

Your explanation should either be typed or written neatly on separate, lined paper or the back of this sheet. Vocabulary that should be used, but is not limited to, includes: numerator, denominator, and subtract. Be sure to show your mathematical work.

Given (-3, 5) and (5,-20), fully explain how to find the average rate of change between these points.