

Review #1 for 6 weeks Unit Test You MUST

1. Simplify: $4xy - 7y^2 - 11xy - 12y^2 + 9$

$$4xy - 7y^2 - 11xy - 12y^2 + 9$$

$$-7xy - 19y^2 + 9$$

$$-19y^2 - 7xy + 9$$

2. Simplify: $2(3a + 4m) + \frac{2}{3}(5 - 3m)$

$$6a + 8m + \frac{10}{3} - 2m$$

$$6a + 6m + \frac{10}{3}$$

3. Solve: $2(x-4) - 5(3x+6) = 9 - (-1)$

$$2x - 8 - 15x - 30 = 9 + 1$$

$$-13x - 38 = 10$$
$$\quad \quad \quad \underline{+38} \quad \quad \quad \underline{+38}$$

$$-13x = 48$$
$$\quad \quad \quad \underline{-13} \quad \quad \quad \underline{-13}$$

$$x = -\frac{48}{13}$$

4. Distribute: $-(4f - 3y)$

$$-4f + 3y$$

$$5. \frac{x-3.2}{4} = 8$$

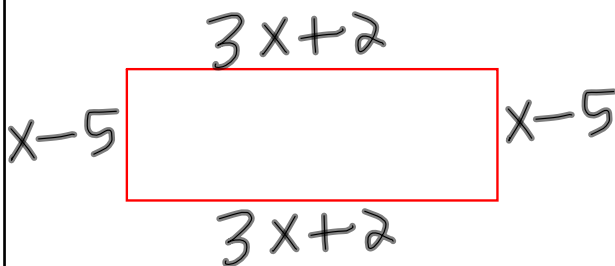
$$4 \cdot \frac{x-3.2}{4} = 8 \cdot 4$$

$$x - 3.2 = 32$$

$$+ 3.2 \quad + 3.2$$

$$x = 35.2$$

6. Find the perimeter of a rectangle whose length is $(3x+2)$ feet and whose width is $(x-5)$ feet.



$$P = 2l + 2w$$

$$P = 2(3x+2) + 2(x-5)$$

$$P = 6x + 4 + 2x - 10$$

$$P = 8x - 6$$