

Equivalent Expressions Independent Practice Worksheet 2

1. Which of the following expressions is equal to $(3(x^2 - 6x + 9))$

- a) $3(x^2 - 6x - 9)$ b) $3(x - 3)^2$
 c) $3(x + 3)^2$ d) $3(x^2 - 3)^2$

2. Which of the following expressions is equal to $(\frac{1}{2} + \frac{6}{7})$

- a) $(\frac{6}{7} + \frac{1}{2})$ b) $2/14$
 c) $\frac{12}{14}$ d) $(\frac{2}{14} + \frac{1}{14})$

3. Which of the following expressions is equal to $(\frac{1}{2} + \frac{6}{7}) + \frac{4}{7}$

- a) $(\frac{6}{7} + \frac{1}{2}) + \frac{2}{7}$ b) $2/14$
 c) $\frac{12}{14}$ d) $\frac{1}{2} + (\frac{6}{7} + \frac{4}{7})$

4. Which of the following expressions is equal to $(\frac{1}{2} * \frac{6}{7} * \frac{7}{3} * \frac{8}{4})$

- a) 1 b) 2
 c) 3 d) 4

5. Find the missing value in the expression so that they will be equal.

$$(x + \underline{\quad})^2 = x^2 + 9 + 2 * 3 * x$$

6. Find the missing value in the expression so that they will be equal.

$$(x - \underline{\quad})^2 = x^2 + 16 - 2 * 4 * x$$

7. Find the missing value in the expression so that they will be equal.

$$(x - 5)^2 = x^2 + \underline{\quad} - 2 * 5 * x$$

8. Find the missing value in the expression so that they will be equal.

$$(x + 3)^3 = x^3 + 27 + 9x(\underline{\quad} + \underline{\quad})$$

