

Name: _____

Date: _____

Replace each variable with its value in parentheses, then PEMDAS. Last two are challenge problems!

1. $x + 7$, when $x = 5$

show your work

2. $3x$, when $x = 4$

show your work

3. $2x + 1$, when $x = 6$

show your work

4. x^2 , when $x = 5$

show your work

5. x^2 , when $x = -3$

show your work

6. $2x^2$, when $x = 3$

show your work

7. $5x - 4$, when $x = -2$

show your work

8. $x^2 + 2x$, when $x = 4$

show your work

9. $-x^2 + 3(x - 1)^2$, when $x = -2$ ★ CHALLENGE

show your work

10. $\frac{(2a - b)^2}{(a + b)}$, when $a = 4$, $b = \frac{1}{2}$ ★ CHALLENGE

show your work