

Practice showing your work now, you will need to do this on tomorrow's quiz.

Lesson 1-1 & 1-2:

Use the order of operations to evaluate each expression.

Answer Key: $-2, -40, 2, -3, 45, 22$

1. $-9 - 7 + 13$

2. $\frac{9 + 3 \cdot 5}{4^2 - 4}$

3. $(-3)^2 - 6(2 - 8)$

4. $-10 - 6(3 + 2)$

Evaluate each expression for $a = 2$, $b = -3$, and $c = -4$.

5. $ab^2 - c$

6. $\frac{a - c}{b}$

Lesson 1-3 & 1-4:

Simplify each expression by combining like terms

Answer Key: $10x - 8, -17x - 15, -17x + 15, 27x + 36, -x^2 + 15x, 10x - 12$

7. $-9x^2 - x + 8x^2 + 16x$

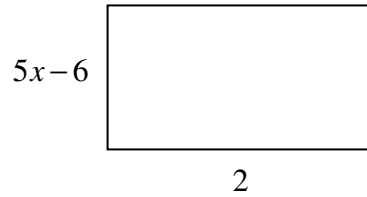
8. $-5x - 3(4x + 5)$

$$9. -2x + 3(5 - 5x)$$

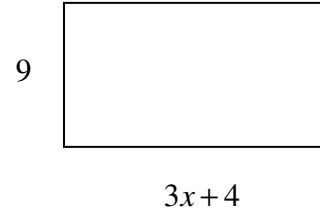
$$10. 18x - 4(3 + 2x)$$

Find the area or perimeter of each figure as indicated.

11. $perimeter = 2l + 2w$



12. $area = bh$



Lesson 1-8 & 1-9:

Solve each equation below.

Answer *set*: $7, -1, -3, -7$

$$13. -4x = 28$$

$$14. 6x - 4 = 11x + 1$$

$$15. -4(3x - 2) + 5(x + 7) = -6$$

$$16. 8 - 2(6 - x) = -4x - 22$$

Lesson 1-11:**Solve each absolute value equation. (Remember to split and solve to get both solutions!)**

Answer *∂* *u* *m* *b* *l* *e*: $x = -3$ $x = 1$ $x = -3$
 $x = -11,$ $x = 5,$ $x = 2,$ no solution

17. $|x+7|=4$

18. $-3|2x+1|=-15$

19. $|3x+7|-9=-18$

20. $|3x-9|-11=-5$

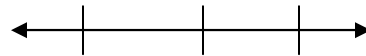
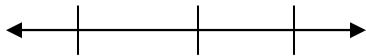
Lesson 1-12, 1-13, & 1-14:**Solve and graph each inequality.**

Answer *∂* *u* *m* *b* *l* *e*: $x < -13$ or $x \geq -2$, $x < 9$ and $x > -10$, $x \leq -4$, $7 \geq x > 2$

Solve and graph each inequality.

21. $x-8 \leq -12$

22. $x+7 < -6$ or $3x \geq -6$



23. $-20 \leq -3x+1 < -5$

24. $|2x+1| < 19$

