Name: _____

Order of Operations/Simplify Scavenger Hunt: No Calculator

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- ○ Start at task number 1
- ○ Look for the answer on another task card
- ○ That task card has your next task (question)
- ○ Keep going until you have completed all task cards.

Task Card 1   Answer: 33

Simplify.

$$14 + 8(-2)$$

Task Card 2   Answer: -7

Simplify.

$$(-6)^2 + (-7 - 9)$$

Task Card 3   Answer: -4

Simplify.

$$2(-20) + 10(-8)$$

Task Card 4   Answer: -13

Simplify.

$$-10 + 2(-4)(-5)$$

Task Card 5   Answer: 128

Evaluate the following expression for $x = -4$ and $y = 9$.

$$\frac{10 - x + 2y}{2x}$$

Task Card 6   Answer: -2

Evaluate the following expression for $b = 4$.

$$\frac{-2^4 - 3b}{4}$$

Task Card 7   Answer: 20

$$4[(-7)^2 + (-8 - 9)]$$

Task Card 8   Answer: -120

Evaluate the expression for $x = 4$ and $y = -\frac{1}{2}$

$$-3x + 2y$$

| Task Card 9 — Answer: x + 7 | Task Card 10 — Answer: -4x + 7y + 4 | Task Card 11 — Answer: 30 |

Task Card 9 Answer: x + 7

Simplify the expression.

$$-7 + 4(x + 5)$$

Task Card 10 Answer: -4x + 7y + 4

Simplify the expression.

$$2x + 3(3y + 2x)$$

Task Card 11 Answer: 30

Simplify the expression.

$$4x + x + 8$$

Task Card 12 Answer: 4x + 13

Simplify the expression.

$$3x + 7y + 4 - 7x$$

Task Card 13 Answer: 5x +8

Simplify the expression.

$$-2x + 7 + 3x$$

Task Card 14 Answer: 8x + 9y

Simplify.

$$-3 + (-4)(2)^3 + 5$$

Task Card 15 Answer: -6

Simplify.

$$-3^2 + 4(-2 + 5)$$

Task Card 16 Answer: 3

Simplify.

$$3(5 + 2 \cdot 4) + 2(-3)$$

Task Card 17 Answer: -30

Simplify.

$$26 - 14 + 9(-2)$$