End of Year Review | Day 5 | Homework

A. SOLVING EQUATIONS

(DOK 2) Solve each of the following equations.

1. $2x+5=12$
2. $\frac{2}{3}x+4=20$
3. $3\left(x-1\right)=42$
4. $2x=x-4$
5. $4\left(x+1\right)=2(x+7)$

B. TYPES OF EQUATIONS

1. (DOK 1) What is slope-intercept form? *Explain each variable.*
2. (DOK 1) What is point-slope form? *Explain each variable.*
3. (DOK 1) What is standard form? *Explain each variable.*
4. (DOK 2) What are the *x*- and *y*-intercepts of the following functions? Write them as coordinate pairs.
	1. $-6x+8y=24$
	2. $\frac{3}{4}x-6y=18$
	3. $-x-y=12$
5. (DOK 2) Write point-slope form for the following lines.
	1. Passes through (-5, 6), slope = 3
	2. Passes through (0, 1) and (2, 5)
	3. Passes through (-5, 9) and (1, 3)

C. SYSTEMS OF EQUATIONS

(DOK 2) Find the solution to the following system of equations by graphing.

1. $y=3x+4$ and $y=-x-4$



1. $y=10+6x$ and $y=6x$



(DOK 2) Find the solution to the following systems of equations by using algebra.

1. $y=x+2$ and $y=-3x$
2. $y=-x-4$ and $y=x$
3. $y=3x+2$ and $-2x+2y=20$
4. (DOK 3) Jordan won the ping-pong championship eight more times than Jacob. They have won a combined total of 32 championships. How any games did each boy win?
5. (DOK 3) Corey has $5 and $10 bills in his wallet. He has 5 times as many $10 bills as $5 bills. How many of each does he have?