Practice: Do at least three parts from each question.

2. State the slope y-intercept form of the equation of the line with the given slope m and y-intercept b.

(a) $m = 2; b = 3$ (b) $m = -4; b = 5$

(c) $m = 5; b = -3$ (d) $m = \frac{1}{2}; b = -7$

3. State the slope and y-intercept of each of the following.

(a) $y = 3x - 7$ (b) $y = -\frac{1}{2}x + 5$

(c) $y = -5x - 4$ (d) $y = 7x$

(e) $y = \frac{2x - 1}{3}$ (f) $y + 7 = 2x$

(g) $y + 3x = 4$ (h) $2x - 3 = y$

(i) $5x + y - 2 = 0$ (j) $7x = 3 + y$

(k) $4x - y = 5$ (l) $3x + 2y = 5$

(m) $x + 3y = -2$ (n) $6x - y - 4 = 0$

7. Determine an equation of the line through the given point and having the given slope. Express the equation in the form $y = mx + b$ and determine two other points on the line.

(a) $(1,2); m = 3$ (b) $(-1,-1); m = -2$

(c) $(3,0); m = 2$ (d) $(4,-2); m = -0.5$

(e) $(0,-3); m = \frac{1}{2}$ (f) $(-5,-6); m = 0$

(g) $(-3,4); m = \frac{3}{4}$ (h) $(10,20); m = 0.2$

Substitution Sequence

Round 1	Round 2
1. $y=3x+3$ $y=2x+5$	1. $y=x+4$ $x+y=6$
2. $y=5x-6$ $y=4x+2$	2. $y=2x-1$ $2x+y=3$
3. $y=2x-6$ $y=x+1$	3. $y=3x+2$ $2x+y=12$
4. $y=5x-2$ $y=3x+4$	4. $y=x+4$ $x+2y=20$
5. $y=6x-8$ $y=3x+4$	5. $y=x+3$ $3x-2y=-7$
6. $y=3x-5$ $y=-2x+10$	6. $y=2x-1$ $3x-y=5$
7. $y=-2x+4$ $y=-4x+6$	7. $y=\frac{1}{2}x-3$ $3x-2y=-6$
8. $y=3x-2$ $y=x+2$	8. $y=2x-4$ $2x-y=10$
9. $y=-3x+6$ $y=2x-2$	
10. $y=3x+4$ $y=3x-3$	