Algebra 1 Name_____

WS PC #1 Review - Unit 3

Write the equation that represents each in slope intercept form.

1) through: $(0, 2)$ and $(2, 1)$

2) through: $(-1, 1)$ and $(1, 2)$

3) through: $(1, -4)$ and $(-3, 5)$

4) with solutions: $f(-4) = -1$ and $f(-3) = 1$

5) with solutions: $g(1) = -5$ and $g(-3) = -3$

6) through: $(-3, 3)$ and $(1, -5)$

7) through: $(-2, 5)$, slope = $-\frac{1}{2}$

8) through: $(1, 5)$, slope = undefined

9) through: $(1, -4)$, parallel to $y = -2x - 5$

10) through: $(-5, -3)$, parallel to $y = x + 1$

11) with solution: $f(-5) = 1$,
and parallel to $y = -6x + 5$

12) through: $(-3, 4)$, parallel to $y = -3x - 3$

13) through: $(5, 4)$, perp. to $y = 5x - 3$

14) with solution: $g(2) = -3$,
and perp. to $y = -\frac{2}{3}x - 5$

15) through: $(-1, 3)$, perp. to $y = \frac{1}{5}x$

16) through: $(-3, -2)$, perp. to $y = -\frac{3}{2}x$

17) Determine which of the lines, if any, are parallel or perpedicular.

Line a: $6x - y = 4$

Line b: $5x + 2y = 12$

Line c: $y = \frac{1}{6}x + 7$

Line d passes through $(2, 5)$ and $(8, 1)$

Line e passes through $(-2, 3)$ and $(3, 5)$

18) Determine which of the lines, if any, are parallel or perpedicular.

Line a: $2x + 6y = 24$

Line b: $-x - 3y = 12$

Line c: $y = 4x - 5$

Line d passes through $(4, 5)$ and $(8, 4)$

Line e passes through $(3, -3)$ and $(7, 2)$