

Algebra STAAR Review - 2/23/2013 www.askmath.weebly.com

1. Find the **equation** of the line that passes through the points $(2, -3)$, $(4, 6)$.

2. Solve for x : $\frac{x-4}{2} + \frac{2}{3} = 2x - 1$

A) $\frac{4}{3}$

B) $-\frac{2}{9}$

C) $-\frac{3}{4}$

D) 3

3. No solution: same slope only. 1 solution: different slope. ∞ many: exactly same equation.

4. Solve the following systems of equations.

$$2x - 3y = 8$$

$$5x + 2y = 2$$

A) $-\frac{14}{19}$

B) $-\frac{33}{21}$

C) $\frac{22}{37}$

D) $\frac{19}{36}$

5. Solve for x . $7x^2 - 3x + 2 = 2x + 3$

6. At what value(s) of x is undefined for $\frac{2x-1}{3x+4}$?

7. If the slope of a line is $-\frac{2}{3}$ and the line passes through the points $(2, 7), (x, 5)$. What is x ?