

Name: Key

Section: \_\_\_\_\_

Date: \_\_\_\_\_

### Unit 3 Concept 1 Pre-Quiz

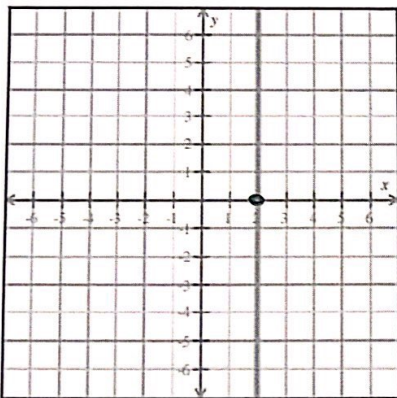
1. For each equation, determine whether it is linear.

Equation	Is the equation linear?	
	Yes	No
$9x - 7 + 3y = y - 4$	<input checked="" type="checkbox"/>	<input type="checkbox"/>
$7y - 8xy = 6$	<input type="checkbox"/>	<input checked="" type="checkbox"/>
$x^5 - 2y = 6$	<input type="checkbox"/>	<input checked="" type="checkbox"/>
$\frac{3x}{4} - \frac{y}{2} = 8$	<input checked="" type="checkbox"/>	<input type="checkbox"/>

2. For each equation, determine whether it is linear.

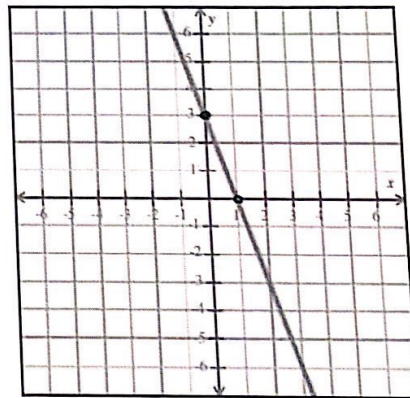
Equation	Is the equation linear?	
	Yes	No
$3x = -4$	<input checked="" type="checkbox"/>	<input type="checkbox"/>
$3x - 6 + 8y = x - 4$	<input checked="" type="checkbox"/>	<input type="checkbox"/>
$y - \frac{2}{x} = 0$	<input type="checkbox"/>	<input checked="" type="checkbox"/>
$0.05x - 0.9y = 1.1$	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3. Find the y-intercept and the x-intercept of the line below.



X-intercept: 2  
y-intercept: NONE

4. Find the x-intercept and the y-intercept of the line below.



X-intercept: 1  
y-intercept: 3