

6. [10 points] Color in the blank circle for **all possible** correct choices. *Remember to use pencil so that you can erase your answers if you change your mind!*

- a. [2 points] A graph goes through the points  $(1, 2)$  and  $(-1, 6)$ .

This graph *could* represent a(n) \_\_\_\_\_ function.

linear

exponential

periodic

odd

NONE OF THE ABOVE

- b. [2 points] A graph goes through the points  $(2, 4)$  and  $(2, 10)$ .

This graph could represent a(n) \_\_\_\_\_ function.

linear

exponential

periodic

odd

NONE OF THE ABOVE

*This problem continues on the next page.*

c. [2 points]  $f(x) = 4(x - 2) + 3x + 8$ .

$f(x)$  is a(n) \_\_\_\_\_ function.

linear

exponential

periodic

odd

NONE OF THE ABOVE

d. [2 points]  $g(x) = e^{3(x-4)}$ .

$g(x)$  is a(n) \_\_\_\_\_ function.

linear

exponential

periodic

odd

NONE OF THE ABOVE

e. [2 points]  $h(x) = \frac{2}{3} \sin(4x)$

$h(x)$  is a(n) \_\_\_\_\_ function.

linear

exponential

periodic

odd

NONE OF THE ABOVE