

Name:

Quiz 6

1. (a) (5 points) If the midpoint between the points  $(3, y)$  and  $(x, 2)$  is  $(0, 1)$  find  $x$  and  $y$ .

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- (b) (5 points) find the distance between the points  $(-10, -2)$  and  $(4, 1)$ .

2. For the function  $f(x) = \sqrt{2x + 1}$

- (a) (1 point) What is the domain of  $f(x)$ ?
- (b) (2 points) What is the range of  $f(x)$ ?
- (c) (2 points) evaluate  $f(0)$ ,  $f(2)$ , and  $f\left(\frac{1}{2}\right)$ .