

**A.** Which of the following lines is a tangent to the circle with equation

$$x^2 + y^2 = 4?$$

- (a)  $x + y = 2$ ;      (b)  $y = x - 2\sqrt{2}$ ;      (c)  $x = \sqrt{2}$ ;      (d)  $y = \sqrt{2} - x$ .