Algebra & Trig - MATH 1450-02 - Quiz #1 - Jan 16, 2013

Name:

True/False:

1. $\sqrt{a^2 + b^2} = a + b$, for all a, b.

2. $\frac{a+b}{b} = a$, for all a, b.

3. $\sqrt{0}$ is not defined.

4. $2x + y = 2(x + y)$, for all x, y.

5. If $x^2 = 4$, then $x = 2$.

6. $\sqrt{4} = \pm 2$.

7. $(a - b)^2 = a^2 - b^2$, for all a, b.

8. $\frac{ab+1}{a} = b + 1$, for all a, b.

9. $\sqrt{x^2} = x$ for all x.

10. $\sqrt{x + y} = \sqrt{x} + \sqrt{y}$, for all x, y.