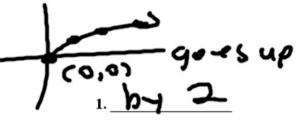
Chapter 10 Practice Test

SCORE_

Write the letter for the correct answer in the blank at the right of each question.

1. How does the graph of $y = \sqrt{x} + 2$ compare to the parent graph?



2. Which expression has a domain of $\{x \mid x \ge -1\}$?

$$\mathbf{F} y = \sqrt{x+1}$$

$$G y = \sqrt{x-1}$$

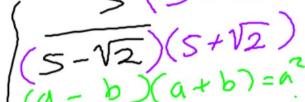
$$\mathbf{H} y = \sqrt{x} + 1$$

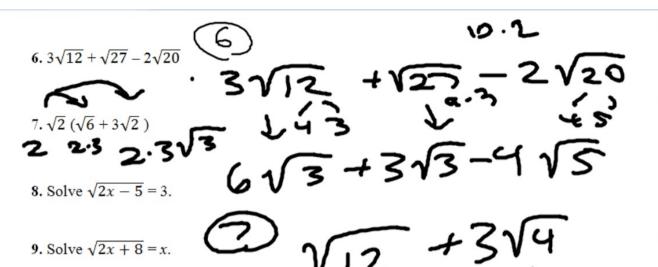
For Questions 3-7, simplify each expression.





$$5.6\sqrt{5} - 2\sqrt{5}$$



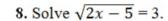


8.____

8. Solve
$$\sqrt{2x-5} = 3$$
.

9. Solve
$$\sqrt{2x + 8} = x$$
.

$$\sqrt{2\times-5}$$



9. Solve
$$\sqrt{2x+8}=x$$
.

 $\sqrt{2x+8}=x$

$$0 = (x+2)(x-4)$$
 $0 = (x+2)(x-4)$

10. Find the	length of the	hypotenuse	of a right	triangle if $a =$	= 3 and b = 4

9.			

11. Determine which side measures form a Pythagorean triple.

A4, 5, 6

B 3, 4, 5

C 5, 11, 12

D 4, 8, 12

11. D

 $5^{2} + 11^{2} = 12^{2}$ 25 + 121 = 144 25 + 121 = 144 25 + 121 = 5