Practicing with Square Roots
(Regular)

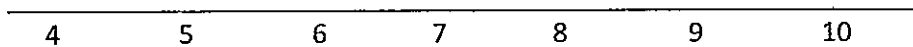Solve. Round to the nearest tenth's place when necessary.

1) $\sqrt{25} + \sqrt{121} =$

2) $\sqrt{81} + \sqrt{144} =$

3) $\sqrt{49} + \sqrt{35} \approx$

4) $\sqrt{22} - \sqrt{14} \approx$

5) Locate $\sqrt{76}$ on the number line.

```
|————|————|————|————|————|————|
4    5    6    7    8    9    10
```

Estimate each expression to the nearest whole number if x = 6, y = 12, and z = 30.

6) $\sqrt{x + z}$

7) $\sqrt{2z + 4}$

8) $\sqrt{2xy}$

9) Order $\sqrt{77}$, 8, $\sqrt{83}$, 3^2, 10, $\sqrt{76}$, $\sqrt{144}$, 2^4 from least to greatest.

10) You are designing a square room and you need 225 sq. ft. of area. What is the perimeter of the room?

11) The area of a popular square game puzzle is 77 square inches. What is the approximate length of one of the sides of the game board to the nearest whole number?

12) Name three numbers with square roots between 4 and 5.