

$$45\sqrt{2} = \sqrt{2025 \cdot 2} = \sqrt{4050}$$

$$\sqrt{3969} < \sqrt{4050} < \sqrt{4096}$$

$$63 < \sqrt{4050} < 64$$

$$9\sqrt{10} = \sqrt{810}$$

$$\sqrt{784} < \sqrt{810} < \sqrt{841}$$

$$28 < \sqrt{810} < 29$$

$$18\sqrt{5} = \sqrt{1620}$$

$$\sqrt{1600} < \sqrt{1620} < \sqrt{1681}$$

$$40 < \sqrt{1620} < 41$$

$$(\sqrt{6})^2 = \sqrt{6} \cdot \sqrt{6} = \sqrt{36} = 6$$

$$(3\sqrt{2})^2 = 3\sqrt{2} \cdot 3\sqrt{2} = 9\sqrt{4} = 9 \cdot 2 = 18$$