

Quiz 70

Simplify.

1. $\sqrt{9} - \sqrt[4]{16} \times \sqrt[5]{-32} - \sqrt[3]{-1}$

2. $\sqrt{27x^5y^2}$

3. $\frac{4}{\sqrt{2}} + \sqrt{5} \cdot \sqrt{10}$

Solve.

4. $\sqrt{x+3} = \sqrt{2x-7}$

5. The area of a square is
- 36 cm^2
- . What is the length of the diagonal of the square in simplest radical form?