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Simplify

$$\sqrt{7^2} = \underline{\hspace{2cm}} \qquad \sqrt{2^2} = \underline{\hspace{2cm}} \qquad \sqrt{(642)^2} = \underline{\hspace{2cm}} \qquad \sqrt{(-4)^2} = \underline{\hspace{2cm}}$$

True / False

1) $x$ is always positive. _____

2) $-x$ is always negative. _____

3) $x^2$ is always positive. _____

4) $x^2$ is never negative. _____

5) The answer to a square root may not be _____

   Thus, $\sqrt{x^2} = \underline{\hspace{2cm}}$

Simplify. (pg 526)      [ Then do part b) and round answers to the nearest hundredth.]

1) $\sqrt{121a^2}$                                    9) $\sqrt{80a^2b^2}$

Simplify. (pg 526)    [ Then do part b) and round answers to the nearest hundredth.]

13)  $\pm \sqrt{54x^2y^3}$

17)  $\pm \sqrt{\dfrac{100f^{10}}{121}}$

Solve.

27)  $x^2 = 25$

35)  $81y^2 - 16 = 0$

Solve.  Round each root to the nearest tenth.

43)  $c^2 - 212 = 0$

Assignment:
pg. 526
2-50 even,

For questions 2-24, do
    part a) simplify
    part b) round to hundredths,
        if necessary