

$$18, 16, 26, 25, 20, 23$$

$$16. \sqrt{y^2} = \sqrt{0}$$

$$\boxed{y = 0}$$

$$18. y^2 - 7 = 0$$

$$\begin{array}{c} +7 \\ \sqrt{y^2} = \sqrt{7} \end{array}$$

$$y = \pm \sqrt{7}$$

$$20. \frac{25y^2}{25} = \frac{-16}{25}$$

$$\sqrt{y^2} = \sqrt{\frac{-16}{25}}$$

$$\emptyset$$

$$23. 4 - 16x^2 = 0$$

$$+16x^2$$

$$\frac{4 = 16x^2}{16}$$

$$\sqrt{x^2} = \frac{4}{16} = \sqrt{\frac{1}{4}}$$

$$x = \pm \frac{1}{2}$$

$$25. \begin{array}{c} 81 - 9x^2 = 0 \\ -81 \qquad -81 \end{array}$$

$$\frac{-9x^2 = -81}{-9}$$

$$\sqrt{x^2} = \sqrt{9}$$

$$x = \pm 3$$

$$26. 25y^2 + 16 = 17$$

$$-16$$

$$\frac{25y^2 = 1}{25}$$

$$\sqrt{y^2} = \sqrt{\frac{1}{25}}$$

$$y = \pm \frac{1}{5}$$

HW Assessment
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24. $0 = 4 + 16x^2$

Solve, SHOW WORK!

$$\begin{array}{l} \sqrt{600} = 2.5\sqrt{2 \cdot 3} \\ \quad \quad \quad \wedge \\ \quad \quad \quad 6 \quad 100 \\ \quad \quad \quad \wedge \quad \quad \quad \wedge \\ \quad \quad \quad 2 \quad 50 \\ \quad \quad \quad \wedge \quad \quad \quad \wedge \\ \quad \quad \quad 2 \quad 25 \\ \quad \quad \quad \wedge \\ \quad \quad \quad 55 \end{array} = 10\sqrt{6}$$

$$\sqrt{6 \cdot 100} = 10\sqrt{6}$$

your turn

$$\sqrt{220} = \sqrt{2^2 \cdot 5 \cdot 11} = 2\sqrt{55}$$

$$\sqrt[4]{176} = \sqrt[4]{2^4 \cdot 11} = 2\sqrt[4]{11}$$

$$\begin{aligned}\sqrt{54} &= \sqrt{3^3 \cdot 2} = \sqrt{3^2 \cdot 3 \cdot 2} \\ &= 3\sqrt{3 \cdot 2} \\ &= 3\sqrt{6}\end{aligned}$$