

Integrated Geometry

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Wednesday, September 26, 2007, 8:00 am
Odd Solutions for Numbers 10.
Provided for Student Use.

Grade HW 8, #1–10 odd

- ▶ 1. $\sqrt{12} = \sqrt{4 \cdot 3} = 2\sqrt{3}$.
- ▶ 3. $\sqrt{24} = \sqrt{4 \cdot 6} = 2\sqrt{6}$.
- ▶ 5. $\sqrt{40} = \sqrt{4 \cdot 10} = 2\sqrt{10}$.
- ▶ 7. $\sqrt{60} = \sqrt{4 \cdot 15} = 2\sqrt{15}$.
- ▶ 9. $\sqrt{73}$.

Grade HW 8, #11–20 odd

- ▶ 11. $\sqrt{90} = \sqrt{9 \cdot 10} = 3\sqrt{10}$.
- ▶ 13. $\sqrt{120} = \sqrt{4 \cdot 30} = 2\sqrt{30}$.
- ▶ 15. $\sqrt{810} = \sqrt{81 \cdot 10} = 9\sqrt{10}$.
- ▶ 17. $\sqrt{720} = \sqrt{144 \cdot 5} = 12\sqrt{5}$.
- ▶ 19. $\sqrt{784} = \sqrt{16 \cdot 49} = 28$.

Grade HW 8, #21–30 odd

- ▶ 21. $(3\sqrt{2})^2 = 9 \cdot 2 = 18.$
- ▶ 23. $2\sqrt{6}.$
- ▶ 25. $(7\sqrt{3})^2 = 49 \cdot 3 = 147.$
- ▶ 27. $\frac{\sqrt{5}}{\sqrt{24}} \cdot \frac{\sqrt{6}}{\sqrt{6}} = \frac{\sqrt{30}}{12}.$
- ▶ 29. $\frac{\sqrt{35}}{\sqrt{50}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{70}}{10}.$